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ALMA COLLEGE

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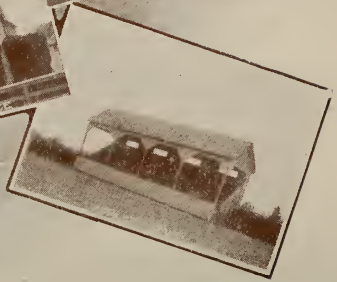
ALMA COLLEGE



ALMA MICH.

CATALOGUE

...OF...

ALMA COLLEGE

FOR THE YEAR 1902-1903

WITH ANNOUNCEMENTS FOR THE YEAR

1903-1904

ALMA, MICHIGAN.

Published by
THE COLLEGE
Alma, Mich.

CALENDAR.

1903

31 March	Tuesday	Third term begins.
5 June	Friday	Freshman Exhibition.
8 June	Monday	Final Examinations begin.
14 June	Sunday	Baccalaureate Sermon, 7:30 p. m.
15 June	Monday	CLASS DAY—
		Examinations 9:00 a. m.
		Class Day Exercises 3:00 p. m.
		Graduating Exercises of the Commercial School, 8:00 p. m.
16 June	Tuesday	Graduating Exercises of the Kindergarten Department, 10:00 a. m.
		Annual Concert, 8:00 p. m.
17 June	Wednesday	ALUMNI DAY—
		Graduating Exercises of the Academy, 10:00 a. m.
		Public Exercises of the Alumni Association, 3:00 p. m.
		Address before Christian Associations, 8:00 p. m.
18 June	Thursday	COMMENCEMENT, 10:00 a. m.
		President's Reception, 8:00 to 10:00 p. m.

SUMMER VACATION.

15 Sept.	Tuesday	Entrance Examinations.
16 Sept.	Wednesday	First Term begins.
26 Nov.	Thursday	Thanksgiving Day Recess.
22 Dec.	Tuesday	First Term ends.

1902

WINTER VACATION.

5 Jan.	Tuesday	Second Term begins.
22 Jan.	Friday	Sophomore Exhibition.
29 Jan.	Friday	Junior Exhibition.
1 Feb.	Monday	Semi-Annual Examinations begin.
5 Feb.	Friday	FIRST SEMESTER ends.
8 Feb.	Monday	SECOND SEMESTER begins.
18 March	Friday	Second Term ends.

SPRING VACATION.

29 March	Tuesday	Third Term begins.
3 June	Friday	Freshman Exhibition.
16 June	Thursday	COMMENCEMENT.

IN NOMINE DEI, AMEN.

Resolved, That in view of all the facts brought before us, we will, with God's help, establish and endow a college within our bounds.

—Synod of Michigan, Grand Rapids, Oct. 14, 1886.

THE CORPORATION.

TRUSTEES:

Class of 1903—

Willis T. Knowlton, Esq., Saginaw.
Rev. David M. Cooper, D. D., Detroit.
Thomas Merrill, Esq., Saginaw.
Charles Stinchfield, Esq., Detroit.
Charles H. Davis, Esq., Saginaw.

Class of 1904—

Edgar A. Bagley, M. D., Alma.
John Kelton, Esq., West Bay City.
John F. Seeley, Esq., Caro.
John H. Plum, Esq., Indianapolis, Ind.
Lester A. Sharp, Esq., Alma.

Class of 1905—

Hon. Nathan B. Bradley, Bay City.
Rev. Theodore D. Marsh, D. D., Grand Rapids.
Rev. David Howell, Lansing.
Robert S. Tracy, Esq., Sturgis.
John W. S. Pierson, Esq., Stanton.

Class of 1906—

Hon. Russell A. Alger, Detroit.
James R. Wylie, Esq., Grand Rapids.
Hon. John M. Longyear, Marquette.
Ammi W. Wright, Esq., Alma.
Leonard Laurense, Esq., Detroit.

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OFFICERS OF THE BOARD OF TRUSTEES:

Hon. Nathan B. Bradley, Chairman.
Prof. Albert P. Cook, Secretary.
Ammi W. Wright, Esq., Treasurer.

EXECUTIVE COMMITTEE:

Ammi W. Wright, Esq., Chairman.
Hon. Nathan B. Bradley.
Rev. August F. Bruske, D. D., *ex-officio.*
Edgar A. Bagley, M. D.
Lester A. Sharp, Esq.
Prof. Albert P. Cook, *ex-officio,* Secretary.

LADIES' ADVISORY BOARD:

Mrs. August F. Bruske.
Mrs. Ammi W. Wright.
Mrs. James H. Lancashire.
Mrs. William A. Bahlke.
Miss Mary L. Allen.

VISITING COMMITTEE:

Rev. William T. Jaquess, Albion.
Rev. Frank C. Colvin, Jonesville.

THE FACULTY.

AUGUST F. BRUSKE, M. S., D. D.,
President, and Wells Professor of Philosophy and Theism.

JOSEPH W. EWING, A. M.,
Folsom Professor of Pedagogy, and Principal of the Academy.

MARY C. GELSTON, A. M.,
Professor of Latin.

JOHN T. EWING, A. M.,
Folsom Professor of Greek, and Registrar.

JAY CLIZBE, A. M.,
Professor of Biblical Literature.

JAMES E. MITCHELL, A. M.,
Wright Professor of History and Political Science.

FRANK N. NOTESTEIN, PH. D.,
Wright Professor of Mathematics and Physics, and
Dean of the Faculty.

MARY L. ALLEN,
Stone Professor of English, and Dean of Wright Hall.

EUGENE H. HARPER, PH. D.,
Wright-Davis Professor of Biology and Geology.

ALBERT P. COOK, A. M.,
Associate Professor of English, and Secretary of the College.

LYDIA E. KOHN,
Instructor in French and German.
Diploma from the Lehrerinnen-Seminar, Hanover, Germany.

FRANCIS E. WEST, M. S.,
Instructor in Chemistry, and Secretary of the Faculty.

HELEN L. COFFIN,
Librarian.

KATE L. BOOTH,
Principal of the School of Art.

*MARY A. HAMILTON,
Principal of the Training School for Kindergartners.

MRS. MARY D. PLUM,
Principal of the Training School for Kindergartners.

MRS. JOSEPHINE ST. JOHN,
Principal of the School of Music.
Diploma from the Royal Conservatory, Dresden.

LEONORA BUSHNELL,
Associate Principal and Instructor in Piano.

HERBERT A. MILLIKEN,
Instructor in Violin.

ROSE MESSINGER,
Instructor in Piano.

EUGENE D. PENNELL,
Principal of the Commercial School.

*FRED M. HATCH,
Director of Athletics.

PEARL FULLER,
Instructor in Athletics.

EDGAR A. BAGLEY, M. D.,
Medical Examiner for Gymnasium Work.

MABEL G. COBB,
Instructor in Physical Culture and Elocution.

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*Resigned.

ALMA COLLEGE.

ORGANIZATION.

Alma College embraces six divisions: The College, The Academy, The School of Pedagogy, The Commercial School, The School of Music, and The School of Art.

THE COLLEGE.

I. THE COURSES OF STUDY.

There are four Courses of Study, each extending through four years.

1. The Classical Course, leading to the degree of Bachelor of Arts.

2. The Philosophical Course, leading to the degree of Bachelor of Philosophy.

3. The Scientific Course, leading to the degree of Bachelor of Science.

4. The Literary Course, leading to the degree of Bachelor of Letters.

For information concerning the studies in these courses, see pages 15-27

II. REQUIREMENTS FOR ADMISSION.

ON EXAMINATION.

Examinations for admission will be held on Tuesday, September 15, 1903, beginning at 9 o'clock a. m. The entrance examinations are designed to test the ability of the candidate to undertake the course of study, and not merely to ascertain the character and amount of his acquired knowledge.

Subjects for Examination.

GROUP I.

English.—1. The candidate will be required to present evidence of a general knowledge of the subject-matter of the prescribed books, and to answer simple questions on the lives of their authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of the topic is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of the test, the candidate may present an exercise book, properly certified by his instructor, containing composition or other written work done in connection with the reading of the books.

The books set for this part of the examination are:

1903: George Eliot's Silas Marner; The Sir Roger de Coverley Papers; Goldsmith's The Vicar of Wakefield; Coleridge's The Ancient Mariner; Scott's Ivanhoe; Shakespeare's Merchant of Venice; Tennyson's Princess; Shakespeare's Julius Caesar; Lowell's Vision of Sir Launfal; Carlyle's Essay on Burns.

2. This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure.

1903: Shakespeare's Macbeth; Burke's Speech on Conciliation with America; Milton's L'Allegro; Il Penseroso, Comus and Lycidas; Macaulay's Essays on Milton and Addison.

Latin.—3. Four books of Caesar's Commentaries on the Gallic War.

4. Six orations of Cicero; reading at sight a short passage of easy Latin prose.

5. The first eight books of Vergil's Æneid; or I-VI, with additional selections from Ovid, 6,000 to 8,000 verses in all.

6. Grammar and prose composition. (As to the latter, Daniell's Prose book indicates the field to be covered.)

7. Candidates will be required to show a fair degree of knowledge of the general history of Rome.

Greek.—8. Xenophon's Anabasis, Books 1-3.

9. Homer's Odyssey, Books 1-3.

10. Reading at sight a short passage of easy Greek prose.

11. Grammar and prose composition. (As to the latter, Collar and Daniell's Exercises in Greek prose composition indicate the field to be covered.)

12. Candidates will be required to show a fair degree of knowledge of the general history of Greece.

Mathematics.—13. Arithmetic. No formal examination as a separate requirement. A knowledge of the metric system and the ability to reckon with facility and accuracy are presupposed.

14. Algebra. Factors, common divisors and multiples, equations of the first degree, with one or more unknown quantities, involution, including the binomial theorem for positive entire exponents, evolution, the doctrine of exponents, radicals and equations involving radicals, quadratic equations of one and two unknown quantities, ratio and proportion, arithmetical and geometrical progressions.

15. Geometry. Plane, solid and spherical geometry, including the solution of simple original exercises and numerical problems.

Science.—16. Physics. The equivalent of Carhart and Chute's Elements, together with an approved laboratory course of not less than forty experiments actually performed at school by the candidate; or,

17. Botany. The equivalent of McBride's text-book of botany, together with an approved laboratory course involving the detailed examination of not less than forty plants; or,

18. Chemistry. The non-metallic elements, as usually given in high school text-books, together with an approved laboratory course of at least forty experiments actually performed by the candidate, as given in Remsen's or Williams' Laboratory Manuals.

GROUP II.

English.—As in Group I.

Latin.—As in Group I. with the omission of 4 and 5.

Mathematics.—As in Group I.

Science.—16, 17 and 18 of Group I.

German.—19. The ability to read easy German, such as Andersen's or Grimm's Mærchen, and

20. The elements of German grammar.

Requirements for the Different Courses.

For the Classical Course, all of Group I.

For the Scientific Course, all of Group II.

For the Philosophical Course, all of Group I, except Greek (for which substitute German of Group II), and Physics and Botany.

For the Literary Course, all of Group II, except Latin.

ADMISSION UPON CERTIFICATE.

Examinations will be waived in the case of applicants who present certificates of graduation from the Academy of Alma College, or from any accredited high school having equivalent courses. Applicants from accredited high schools must send or present in person a full statement by the proper persons of the work done in each study. Blank forms for this purpose may be obtained on application to the Registrar. *An examination in any or all of the subjects for examination outlined on pages* 8 *and* 9 *will be required of any applicants from accredited schools who are not provided with such certificates.*

Candidates for advanced standing will be examined on the subjects previously studied by the classes they desire to enter, except in the case of undergraduates of other institutions who present letters of honorable dismission and also careful statements, duly verified, of the studies pursued and the credits received therein.

SPECIAL STUDENTS.

Students desiring to pursue special studies must meet the requirements for admission to one or other of the college courses of study, either upon examination or certificate. In laying out their work, they are expected to consult with the instructors in charge of the subjects they wish to pursue, and are subject to the same general regulations as other students. A certificate setting forth the amount of work which has been done will be given any special student who requests it.

III. OUTLINES OF THE COURSES OF STUDY.

CLASSICAL COURSE.

FRESHMAN YEAR.

First Semester.		Second Semester.	
Latin, I	4	Latin, II	4
Greek, I	4	Greek, II	4
Mathematics, I	4	Mathematics, II	4
History, I	2	History, II	2
English, I	2	English, I	2
Bible, I	1	Bible, 1	1

SOPHOMORE YEAR.

First Semester.		Second Semester.	
Latin, III	3	Latin, IV	3
Greek, III	4	Greek, IV	4
English, II	2	English, II	2
Mathematics, III; or Biology, I	3	Mathematics, IV; or Biology, VI.	3
Modern Language	3	Modern Language	3
Bible, II	1	Bible. II	1

JUNIOR YEAR.

First Semester.		Second Semester.	
Physics, I	4	Physics, II	4
Philosophy, I	3	Political Science, I	3
English, III	3	English, III	3
Electives	6	Electives	6

SENIOR YEAR.

First Semester.		Second Semester.	
Philosophy, II	3	Philosophy, III	3
Bible, III	3	Political Science, VI	3
Electives	9	Electives	9

One hour a week of rhetorical work is required throughout the course.

PHILOSOPHICAL COURSE.

FRESHMAN YEAR.

First Semester.		Second Semester.	
Latin, I	4	Latin, II	4
French, I	4	French, II	4
Mathematics, I	4	Mathematics, II	4
History, I	2	History, II	2
English, I	2	English, I	2
Bible, I	1	Bible, I	1

SOPHOMORE YEAR.

First Semester.		Second Semester.	
Latin, III	3	Latin, IV	3
French, III or Biology, I	4 or 3	French, IV or Biology, VI	4 or 3
English, II	2	English, II	2
Mathematics, III	3	Mathematics, IV	3
Chemistry, I	3	Chemistry, II	3
Bible, II	1	Bible, II	1

JUNIOR YEAR.

First Semester.		Second Semester.	
Physics, I	4	Physics, II	4
Philosophy, I	3	Political Science, I	3
English, III	3	English, III	3
Electives	6	Electives	6

SENIOR YEAR.

First Semester.		Second Semester.	
Philosophy, II	3	Philosophy, III	3
Bible, III	3	Political Science, VI	3
Electives	9	Electives	9

One hour a week of rhetorical work is required throughout the course.

SCIENTIFIC COURSE.

FRESHMAN YEAR.

First Semester.		Second Semester.	
Biology, I	3	Biology, VI	3
French, I	4	French, II	4
Mathematics, I	4	Mathematics, II	4
History, I	2	History, II	2
English, I	2	English, I	2
Bible, I	1	Bible, I	1

SOPHOMORE YEAR.

First Semester.		Second Semester.	
Chemistry, I	3	Chemistry, II	3
French, III	4	French, IV	4
English, II	2	English, II	2
Mathematics, III	3	Mathematics, IV	3
Elective Science	3	Elective Science	3
Bible, II	1	Bible, II	1

JUNIOR YEAR.

First Semester.		Second Semester.	
Physics, I	4	Physics, II	4
Philosophy, I	3	Political Science, I	3
English, III	3	English, III	3
Electives	6	Electives	6

SENIOR YEAR.

First Semester.		Second Semester.	
Philosophy, II	3	Philosophy, III	3
Bible, III	3	Political Science, VI	3
Electives	9	Electives	9

One hour a week of rhetorical work is required throughout the course.

LITERARY COURSE.

FRESHMAN YEAR.

First Semester.		Second Semester.	
English, I	2	English, I	2
French, I	4	French, II	4
German, I	4	German, II	4
Mathematics, I	4	Mathematics, II	4
History, I	2	History, I	2
Bible, I	1	Bible, I	1

SOPHOMORE YEAR.

First Semester.		Second Semester.	
English, II	2	English, II	2
French, III	4	French, IV	4
German, III	3	German, IV	3
Mathematics, III	3	Mathematics, IV	3
Chemistry, I or Biology, I	3	Chemistry, II or Biology, VI	3
Bible, II	1	Bible, II	1

JUNIOR YEAR.

First Semester.		Second Semester.	
Physics, I	4	Physics, II	4
English, III	3	English, III	3
Philosophy,I	3	Political Science, I	3
Electives	6	Electives	6

SENIOR YEAR.

First Semester.		Second Semester.	
Philosophy, II	3	Philosophy, III	4
Bible, III	3	Political Science, VI	3
Electives	9	Electives	9

One hour a week of rhetorical work is required throughout the course.

IV. THE COURSES OF INSTRUCTION.

LATIN LANGUAGE AND LITERATURE.

MARY C. GELSTON, Professor.

The aims of the work in Latin may be classed under several distinct heads:

1. To strengthen and extend the foundation already laid in the preparatory school, by training in syntax and word formation, by a critical interpretation of the text, and by frequent exercises in prose composition based upon the authors read, as a means for securing accuracy in linguistic knowledge.

2. To teach students to read Latin understandingly and rapidly. To this end, there is much drill in sight reading and in translation at hearing.

3. To widen the scope of instruction by collateral reading, accompanied by quizzes and dissertations. The desire is to give the student a knowledge of his subject on its historic and literary side, to make him acquainted with the Latin literature and its development, and to give him a thorough and sympathetic knowledge of Roman private life and civilization.

The following courses are offered:

I. Selections from Cicero; Roman Literature; Prose Composition. *Four hours a week.*

II. Livy; Prose Composition; Roman Literature. *Four hours a week.*

III. Horace—Odes, Satires, Epistles; Roman Literature. *Three hours a week.*

IV. Vergil—Eclogues; a play of Plautus or Terence; Roman Literature. *Three hours a week.*

V. Letters of Pliny; Selections from Juvenal and Martial. *Three hours a week.*

VI. Philosophy among the Romans—Lucretius; Cicero; Seneca.

VII. Roman Rhetoric and Oratory—Cicero; Quintilian. *Three hours a week.*

VIII. Roman History and Law—Tacitus; Justinian.

Courses I, II, III and IV are required of candidates for the degrees of A. B. and Ph. B.; the others are elective. Courses I, III, V and VI are given during the First Semester; courses II, IV, VII and VIII, during the Second Semester.

GREEK LANGUAGE AND LITERATURE.

JOHN T. EWING, Professor.

I. Lysias and Xenophon. Review of the grammar and drill in advanced prose composition. *Four hours a week.*

II. Homer. Books I-VI of the Iliad, with a careful study of forms and prosody; topical study of the Homeric Age and of early literary forms. *Four hours a week.*

III. Herodotus; Lyric Poets. Study of literary style; discussion of historical problems. *Four hours a week.*

IV. The Drama. Reading of selected plays; study of the dramatic art of the Greeks. *Four hours a week.*

V. Plato. The life and character of Socrates; readings from the Apology, Crito and Phædo. *Three hours a week.*

VI. Greek Life. Study of social life and customs; collateral reading and discussion of special themes. *Three hours a week.*

VII. New Testament Greek. Study of the peculiarities of Hellenistic Greek; rapid reading of selected books. *Three hours a week.*

VIII. Theocritus and Lucian. Studies in the later literature. *Three hours a week.*

IX. The Greek in English. Intended especially for Scientific students. *Three hours a week.*

Courses I, II, III and IV, taken in their order, are required of candidates for the degree of Bachelor of Arts; the others are elective.

Courses I, III, V, VII and IX are given during the First Semester; courses II, IV, VI, VIII and IX, during the Second Semester.

ENGLISH LANGUAGE AND LITERATURE.

MARY L. ALLEN, Professor.

I. Paragraph structure; specimens of description and narration; weekly themes. Class criticism. *Two hours a week throughout the year.*

II. Principles of Rhetoric; analysis of studies in structure and style; weekly themes. Critical analysis in the class room of themes submitted. *Two hours a week throughout the year.*

III. Outline History of English Literature. Lectures upon the History of English Literature; critical studies of selected masterpieces. *Three hours a week throughout the year.*

IV. The Shakespearean Drama. Introductory lectures on dramatic theory, the early English Drama and the life of Shakespeare. Four plays are closely studied with the reading and discussion of other plays. *First Semester, three hours a week.*

V. Poetry of the Nineteenth Century. Coleridge, Wordsworth, Byron, Shelley, Keats. *Second Semester, three hours a week.*

VI. The Novel. History of Prose Fiction; critical study of selected novels of Scott, Dickens, Thackeray, George Eliot, Hawthorne, Stevenson. *Three hours a week throughout the year.*

Courses I-III are required; IV-VI are elective.

HISTORY.

JAMES E. MITCHELL, Professor.

The College offers three years of work in History, one year required and two years elective. In each course reading is assigned and results presented in the form of reports. An excellent historical library, containing the best secondary works as well as much original material, is at hand for the use of students.

A text-book is used—in all cases where a satisfactory one can be obtained—as a means of connecting and to assist in assimilating that which comes from other sources.

The following Courses are offered:

I. American History. The formation of the Union, 1750-1829. Hart's book in epoch series is used as a text for this Course and indicates the subjects considered. *Two hours a week.*

II. American History. Division and Reunion, 1829-1889. Wilson's book in epoch series is used as a text for this Course and indicates the field covered. *Two hours a week.*

III. European History, from the Fall of the Roman Empire in the West to the Protestant Revolution. *Three hours a week.*

IV. European History, from the Protestant Revolution to the Present time. *Three hours a week.*

V. The Renaissance and Reformation. Open to those who have taken Courses III and IV. *Three hours a week.*

VI. The French Revolution and its Antecedents. Open to those who have taken Courses III and IV. *Three hours a week.*

VII. The History of Europe since the Congress of Vienna, 1815. Open to those who have taken Courses III and IV. *Three hours a week.*

VIII. History of England, Political and Constitutional. *Three hours a week.*

IX. The United States during the Civil War and Reconstruction. *Three hours a week.*

Courses I, III, VI and VIII are given during the First Semester. Courses II, IV, V, VII and IX during the Second Semester. Courses I and II are required of all candidates for a degree; the others are elective.

MATHEMATICS.

FRANK N. NOTESTEIN, Professor.

I. Higher Algebra. *Four hours a week.*

II. Plane and Spherical Trigonometry. *Four hours a week.*

III. Analytical Geometry. *Three hours a week.*

IV. Analytical Geometry (continuation of Course III). *Three hours a week.*

V. Surveying. *Three hours a week.*

VI. Differential and Integral Calculus. *Three hours a week.*

VII. Calculus (continuation of Course VI). *Three hours a week.*

VIII. Analytical Mechanics. *Three hours a week.*

IX. Mechanics (continuation of Course VIII). *Three hours a week.*

Courses I, III, VI and VIII are given during the First Semester; courses II, IV, V, VII and IX during the Second Semester. Courses V to IX are elective. Students in the Classical Course may elect Biology I and II in place of Mathematics III and IV.

PHYSICS.

FRANK N. NOTESTEIN, Professor.

I. Mechanics, Acoustics and Optics with Laboratory work. *Four hours a week.*

II. Heat and Electricity with Laboratory work. *Four hours a week.*

III. An advanced course in Sound and Light with Laboratory work. *Three hours a week.*

IV. An advanced course in Heat, Electricity and Magnetism with Laboratory work. *Three hours a week.*

Courses I and III are given during the First Semester; courses II and IV during the Second Semester.

CHEMISTRY.

FRANCIS E. WEST, Instructor.

I. Qualitative Analysis. *Three periods of two hours each a week.* The work is done largely in the laboratory where the students apply with their own hands the reagents required to determine the composition and properties of bodies.

II. Advanced Qualitative Analysis. *Three periods of two hours each a week.* This is a continuation of Course I. Besides the ordinary compounds analyzed in Course I, the student now analyzes commercial and natural productions, ashes of plants, minerals, soils, etc.

III. Quantitative Analysis. *Three periods of two hours each a week.* Quantitative determinations are made of chemical compounds, ores, and soils. Accuracy and neatness in work are among the objects sought.

IV. Organic Chemistry. *Three periods of two hours each per week.* Study of the text, lectures, and laboratory work in making organic compounds, such as alcohols, ethers, chloroform, etc.

V. Beet-Sugar Chemistry. *Three periods of two hours each a week.* This course is given, not so much with the intention of fitting students for factory work as for the value of the work as a drill in chemistry. However, those who take this course do not find it difficult to do the chemical work that is required in sugar factories. There being a factory in Alma gives an advantage not found in colleges located in places having no factory.

VI. Chemistry of Common Life. *Two hours per week.* This is a course that will not be taken by those who have had chemistry, or who desire a full elementary course in chemistry, but it is brief course for those who desire to understand chemical allusions in other subjects, and to know something of the chemistry of common life. It will be helpful to those who are anticipating teaching other subjects than chemistry, and those engaged in nature study. It will consist mainly of lectures together with some laboratory work.

VII. Commercial and Agricultural Analysis. This course is given as a Senior Elective to those students who have had Courses I to V inclusive, and who desire to do more advanced work in chemistry. The work consists in analyzing foods, fertilizers, and other commercial products.

Only those who have had General Chemistry will be permitted to take Course I. Only those who have had Courses I and II will be permitted to take Course III. Only those who have had Courses I, II and III will be permitted to take Courses IV and V without special permission. Courses I, III, IV and VII are given the First Semester, and Courses II, V, VI and VII the Second Semester. Courses V and VI are given in alternate years. Course V in 1903-04.

BIOLOGY.

EUGENE H. HARPER, Professor.

I. Zoology.—This is an introductory course dealing chiefly with the morphology, physiology, habits and distribution of a series of type forms, with some consideration of the more elementary facts of cytology and development. Lectures or recitations and laboratory work with occasional field excursions. *Three hours a week.*

II. Invertebrate Zoology.—This course is given chiefly to the study of invertebrates found in the vicinity, with reference to their structure, habits, distribution and life histories. Lectures, recitations, laboratory and field work. *Three hours a week.*

III. Vertebrate Zoology and Comparative Anatomy.—This course is given to anatomical and systematic studies of fishes, amphibians, birds, and mammals. Much illustrative material is available in the valuable collections of the Museum. Practice in laboratory technique is given. *Three hours a week.*

IV. Vertebrate Embryology.—A study of the sex-cells and discussion of theories of heredity. Embryology of frog, chick and pig. Practice in preparation of embryological material. This course is offered alternately with Course III. [Not offered in 1903-04.] *Three hours a week.*

V. Human Physiology.—Recitations with occasional lectures. Laboratory work. Must be preceded by Physics, Chemistry, and Zoology. *Three hours a week.*

VI. Botany.- The Morphology of a series of types from each of the great divisions of the vegetable kingdom. *Three hours a week.*

VII. Botany.—Opportunity is offered for continuation of the work begun in Course VI upon some one or more of the great groups. *Three hours a week.*

Courses I, III, IV and VII are given in the First Semester. Courses II, V and VI in the Second Semester.

GEOLOGY.

EUGENE H. HARPER, Professor.

The course in Geology is necessarily a brief one, the aim being to present as practical and complete a view of the facts and theories of the subject as possible with the facilities at hand. The theories of the science and the historical portion of the subject are taught from text-books and by lectures, illustrated by specimens, diagrams and charts. Such facts as can be demonstrated by the local formations are studied in the field. The large collection of minerals, rocks and fossils belonging to the College has been placed in order in the Museum, and will add materially to the equipment of the department.

ASTRONOMY.

FRANK N. NOTESTEIN, Professor.

Provision is made for one semester of study of Astronomy in the Academy and one semester in the College course.

In the earlier period the facts of Astronomy are studied, including all that can be well understood by pupils of that grade. In the latter period the same facts are studied in the light of Mathematics, and the laws are demonstrated.

MODERN LANGUAGES.

GERMAN.

AUGUST F. BRUSKE, Professor.

I. Review of Grammar; reading and translating Hillern's Hoeher als Die Kirche and Lessing's Nathan Der Weise. Elective course open to those who have had two years of German. *Three hours a week, first semester.*

II. Prose Composition; reading and translating Goethe's Faust. Open to those who have had Course I. *Three hours a week, second semester.*

FRENCH.

LYDIA E. KOHN, Instructor.

I. Chardenal's Complete Grammar, with translations of the English exercises in Part I. *Four hours a week.*

II. Halèvy's L'Abbé Constantin. Selections from Canfield's French Lyrics. *Four hours a week.*

III. Review of Part II of Chardenal's Grammar, with daily translation of the English exercises. Sight reading: Feuillet's Le Roman d'un Jeune Homme Pauvre. *Four hours a week.*

IV. Corneille's Le Cid. Hugo's Hernanè. Selections from Canfield's French Lyrics. *Four hours a week.*

V. Prose Composition. Rostand's L'Aiglon, Moliere's Le Medecin Malgré Lui. *Three hours a week.*

VI. Prose Composition. Hugo's Les Miserables, Racine's Athalie. *Three hours a week.*

Courses I, III and V are given during the First Semester; Courses II, IV and VI during the Second Semester. Courses V and VI are elective.

MENTAL AND MORAL PHILOSOPHY.

AUGUST F. BRUSKE, Professor.

The course in Philosophy begins in the Junior year with the study of Logic. The forms of argument, the laws of thought and the general principles of method are carefully studied. The work in this department is made as practical as possible, and the principles learned are at once applied to the construction of discourse.

In the Senior year the study of Psychology is taken up during the first semester. The study of Ethics is taken up during the second semester. The study of the history of Philosophy is offered as an elective during the second semester.

The following courses are offered:

I. Logic. *Three hours a week.*

II. Psychology. *Three hours a week.*

III. Ethics. *Three hours a week.*

IV. History of Philosophy. *Three hours a week.*

Courses I and II are given during the First Semester; Courses III and IV during the Second Semester.

POLITICAL SCIENCE.

JAMES E. MITCHELL, Professor.

The term Political Science, as here used, is made to include Economics, Theoretical and Practical Politics, International Law and Sociology. The aim is to give to students pursuing these studies such knowledge and training as is believed to be a part of a liberal education. An effort is made to inculcate independent, unbiased, scientific habits of thinking, and thus make the study of practical value to those about to enter active life as citizens.

The following courses are offered:

I. Principles of Political Economy. This course is designed to cover the more important portions of the general field of Economics. The student is expected to assimilate the general principles of the subject and be able to apply them to the discussion of practical questions. An excellent library of Economics, containing all the important treatises in English on the subject, is at hand, and students are required to use it freely. *Three hours a week.*

II. Economic History. This course has to do chiefly with the industrial development of England and the United States. It may properly precede or supplement the course in the principles of Political Economy. *Three hours a week.*

III. American Government. An analysis of the nature, structure and working of the Federal Government; the three departments and their relation to each other; a comparison with the English system; political parties, their uses and abuses; public opinion and its influence are among the subjects discussed. Bryce's American Commonwealth serves as a basis for study, but the student is directed to other sources of information. Given in 1902-03 and alternate years thereafter. *Three hours a week.*

IV. Comparative Constitutional Government. A comparative study of the Governments of England, France, Germany, and the United States. Burgess' work is relied on chiefly for this course, though frequent reference is made to other writers, principally Willoughby and Wilson. Course III or its equivalent should precede this course. Given in 1903-4 and alternate years thereafter. *Three hours a week.*

V. International Law. This subject is studied topically with the use of Snow's Cases, and with the works of Hall, Bluntschli, Halleck, Walker, Lawrence and Woolsey for reference. Offered in alternate years. *Three hours a week.*

VI. Principles of Sociology. An advanced general course. It includes an analysis and classification of social facts; discussion of the principles of social theory and the process of socialization; study of social feeling, public opinion, and organized action; an inquiry into the causes of emotional epidemics, panics, mob violence, revolutions; an explanation of the growth of public opinion on great questions; an attempt to show from history and current events that public action is governed by definite laws of social change. Gidding's Principles of Sociology is used as a text. *Three hours a week.*

. Courses II and III are given during the First Semester; Courses I. IV. V and VI during the Second Semester. Course I and VI are required; the others are elective.

THE BIBLE AND THEISM.

The PRESIDENT and Professor CLIZBE.

Since the religious faculties are the highest and noblest, their training has been given the place of first importance. The instruction here given is in the broadest sense Christian. Nothing of a sectarian character is admitted. The purpose is to build up intelligent Christian manhood. We believe that this is the greatest need of our time.

The following courses are offered:

I. The Life of Christ; in which the student will be expected to master the Journeys and Events of Christ's Life in their order. *One hour a week.*

II. The founding and Extension of the Christian Church. *One hour a week.*

III. Natural Theology and Evidences of Christianity. *Three hours a week.*

PEDAGOGICS.

Professor J. W. EWING and Mrs. PLUM.

Instruction in Pedagogics is offered to Juniors and Seniors in accordance with an act of the Legislature of Michigan authorizing the State Board of Education to grant a teacher's certificate, without examination, to any person who has received a Bachelor's, Master's or Doctor's degree from any college in this state having a course of study actually taught in such college of not less than four years, in addition to the preparatory work necessary for admission to Michigan University, and including a course in the Science and Art of Teaching of at least one college year of five and one-half hours per week.

This course embraces professional work in Applied Psychology, History of Education, School Law, School Systems, special methods in common branches, including the Kindergarten; a critical examination of the Reports of the Committees of Ten, Twelve, and Fifteen, and the organization and management of schools.

Graduates from any of the college courses who complete this course of professional work will be recommended by the Faculty to the State Board of Education for a teacher's certificate, which will enable them to teach in the public schools of Michigan without further examination.

The following courses are offered:

I. History of Education. *Two hours a week.*

II. School Management. *Two hours a week.*

III. Child Study and the Theory of Kindergarten. *One hour a week.*

IV. Psychology, Applied. *Two hours a week.*

V. Principles and Methods of Teaching. *Two hours a week.*

VI. School Law and School Systems, including a study of the school systems of at least five of the states, and of Germany, France and England. *Two hours a week.*

VII. A course of lectures on the organization and management of schools. Five essays on educational topics are required of each student during the course. A course of collateral reading is also required.

Courses I. IV and V are given during the First Semester; Courses II, III, VI and VII during the Second Semester. Courses III, IV, V, VI will be given in the year 1903-4.

Opportunity is given to visit the various departments of graded schools to observe the methods of teaching. A written report of these observations is presented by each visitor to the class for discussion.

PHYSICAL CULTURE.

FRED M. HATCH, Instructor.

The importance of physical culture is fully recognized. During the college year all students are required to take at least three hours per week of gymnasium work or the equivalent. At the beginning of the year a thorough physical examination of each student is made and corrective exercises given cases of insufficient development or physical defect. Athletic sports of all kinds are encouraged as far as consistent with the primary object of the college. Competitive games are considered an important factor in education and are carefully directed to subserve this end.

THE ACADEMY.

INSTRUCTORS.

JOSEPH W. EWING,
PRINCIPAL.
Mathematics.

MARY C. GELSTON,
Latin.

JOHN T. EWING,
Greek.

FRANK N. NOTESTEIN,
Physics.

MARY L. ALLEN,
English.

JAY CLIZBE,
English Bible.

JAMES E. MITCHELL,
History and Civics.

LYDIA E. KOHN,
German.

FRANCIS E. WEST,
Chemistry.

ALBERT P. COOK,
English.

EUGENE H. HARPER,
Geology and Botany.

EUGENE D. PENNELL,
Penmanship.

FRED M. HATCH,
Physical Training.

I. GENERAL STATEMENT.

The Academy of Alma College has been founded to provide facilities for securing an exact and adequate preparation for college work as well as to meet the needs of those who wish to enjoy the benefits of a thorough academic training in preparation for life's work.

To realize fully this two-fold object, great care has been taken to provide skilled instruction. Students in the Academy are under the direction of teachers of wide experience and full knowledge of the subjects they teach. The close touch that exists between instructor and student in the class-room is of vital importance in the forming of character.

Graduates of this Academy are prepared to enter the Freshman classes of the best colleges in the country.

II. REQUIREMENTS FOR ADMISSION.

Candidates for admission to the First Year Class must be able to sustain an examination in Reading, Writing, Spelling, the elements of English Grammar, common school Geography, and U. S. History. Candidates for higher standing will be examined in the studies previously pursued by the class they desire to enter, with the exception of those who present certified statements of work done in accredited schools.

Graduates from the eighth grade in district schools may enter the First Year Class on certificate without further examination.

III. COURSES OF INSTRUCTION.

Four courses, each extending through four years, are provided, which severally lead up to the corresponding courses of the College, viz: The Classical, Philosophical, Scientific and Literary. Each of these courses, however, is complete in itself and may be pursued with profit by the student with limited time and means for gaining an education.

IV. OUTLINES OF THE COURSES OF STUDY.

FIRST YEAR.

FIRST SEMESTER.		SECOND SEMESTER.	
Latin, Lessons,	5	Latin, Lessons,	5
American Classics Ele. Composition,	5	Ele. Composition, American Classics	5
History of England,	3	History of England,	3
Arithmetic,	4	Arithmetic,	4
Jewish Social Life,	1	Bible Geography,	1

SECOND YEAR.

FIRST SEMESTER.		SECOND SEMESTER.	
Cæsar, Book I,	5	Cæsar, Books II, III, IV,	5
Elements of Rhetoric English Classics, Composition,	3	Elements of Rhetoric English Classics, Composition,	4
General History,	3	General History,	4
Civil Government,	3	Elementary Algebra,	4
Elementary Algebra,	4	Study of O. T.,	1
Study of O. T.,	1		

THIRD YEAR.

CLASSICAL COURSE.

FIRST SEMESTER.		SECOND SEMESTER.	
Cicero,	5	Cicero; Ovid,	5
Greek Lessons,	5	Greek Lessons,	5
Higher Algebra,	3	Higher Algebra,	3
Elementary Physics	4	Elementary Physics	4
Classic Myths, Composition,	2	Classic Myths, Composition,	2
Study of O. T.,	1	Study of O. T.,	1

SCIENTIFIC COURSE.

FIRST SEMESTER.		SECOND SEMESTER.	
German,	5	German,	5
Geology,	4	Botany,	4
Higher Algebra,	3	Higher Algebra,	3
Elementary Physics,	4	Elementary Physics,	4
Classic Myths, Composition,	2	Classic Myths, Composition,	2
Study of the O. T.,	1	Study of the O. T.,	1

FOURTH YEAR.

CLASSICAL COURSE.

FIRST SEMESTER.		SECOND SEMESTER.	
Æneid—Books I, II, III,	4	Æneid; Ovid,	4
Anabasis, Geography of Greece,	5	Odyssey; Homeric Age,	5
Geometry—Plane,	5	Geom.—Solid and Spher.,	5
English Classics,	5	Greek and Roman History,	3
Books of the Bible,	1	English Classics,	2
		Books of the Bible,	1

SCIENTIFIC COURSE.

FIRST SEMESTER.		SECOND SEMESTER.	
German,	5	German,	5
Geometry—Plane,	5	Geom.—Solid and Spher.,	5
Physiography,	4	Chemistry,	3
English Literature,	5	Greek and Roman History,	3
Books of the Bible,	1	English Literature,	2
		Books of the Bible,	1

The Philosophical Course is the same as the Classical with the exception of German in the place of Greek. The Literary Course substitutes German for the Latin of the Scientific Course.

ENGINEERING COURSE.

For the convenience of students desiring to take a course in Mining, Electrical, or Civil Engineering, the following course has been prepared.

Students completing this course will be admitted without examination to the College of Mines at Houghton, Mich., for mining engineering; to the Armour Institute, Chicago, for electrical engineering; and to any of the engineering courses of Michigan University.

The first two years of the course are the same as the regular Academy courses.

THIRD YEAR.

FIRST SEMESTER.		SECOND SEMESTER.	
Higher Algebra,	3	Higher Algebra,	3
German,	5	German,	5
Geometry,	5	Geometry,	5
Classic Myths, Composition,	2	Composition, Classic Myths,	2
Physics,	4	Physics,	4
Study of the O. T.,	1	Study of the O. T.,	1

FOURTH YEAR.

FIRST SEMESTER.		SECOND SEMESTER.	
German,	5	German,	5
College Algebra,	4	Trigonometry,	4
Physiography,	4	Book-keeping,	4
English Classics,	5	English Classics,	2
Books of the Bible,	1	Greek and Roman History,	3
		Books of the Bible,	1

V. DESCRIPTION OF COURSES.

LATIN.

I. Beginning Latin. Careful attention is paid to the mastery of inflections and the essential rules of syntax, and to the acquisition of a good vocabulary. Collar and Daniell's First Latin Book is used, and selections from Viri Romæ are read during the last term.

II. Caesar. The work of the second year includes the reading of four books of Cæsar's Gallic War, or an equivalent, with frequent practice in prose composition. The text-books used are Lowe and Ewing's Cæsar and Daniell's Latin Composition.

III. Cicero: Ovid. The third year is devoted to the reading of five orations of Cicero, and one thousand lines of Ovid. The work in prose composition is continued and in connection with the Ovid, the study of hexameter verse is begun. Text-books used are D'Ooge's Cicero, Daniell's Latin Composition, and Kelsey's Ovid.

IV. Vergil: Ovid. In the fourth year, six books of the Æneid and six hundred lines of Ovid are read. The literary and rhetorical features of the work are noted, and the study of hexameter verse continued. Greenough's Vergil is used.

The course comprises five exercises a week during the first three years and four during the fourth year. The Roman method of pronounciation is used.

GREEK.

I. Beginning Greek. In the first year of the study of Greek, the student's efforts are chiefly directed towards the mastery of the inflections as a foundation for future work. The subject is presented systematically with frequent reviews and other tests. The principles of syntax are presented inductively. Proper methods of study in relation to the training of memory and reason are emphasized. Text-book: Forman's First Greek Book.

II. Second Year Greek. The reading of easy selections leads up gradually to the study of the Anabasis in the first semester of the second year. This is followed by the reading of three books of Homer's Odyssey. Sight reading, prose composition, and a detailed study of the geography of Greece are included in this year's work.

MATHEMATICS.

I. Arithmetic.—A careful review of the principles, much attention being paid to inculcating correct methods of reasoning. *Four hours a week.*

II. Advanced Arithmetic.—*Four hours a week.*

III. Algebra.—Beginners' course. Elementary principles developed and applied. *Four hours a week.*

IV. Algebra. Elementary course completed. *Four hours a week.*

V. Higher Algebra.—Through Equations of the First Degree. *Three hours a week.*

VI. Higher Algebra.—Completed. *Three hours a week.*

VII. Geometry.—Plane. *Five hours a week.*

VIII. Geometry.—Solid and Spherical. *Five hours a week.*

SCIENCE

I. Botany.—Botany is required of the students of the Scientific and Literary Courses in the second semester of the third year. The time is mostly devoted in the laboratory to the study of the morphology and development of the higher seed-bearing plants and to the dissection of, description and naming of a number of typical forms. Some field work under the direction of the teacher in charge is required. *Four hours a week.*

II. Physics.—The aim in teaching Physics is to combine the recitation and the laboratory method. A good text-book is put into the hands of the pupils. Accompanying the recitation, general experiments are given to illustrate the principles of the science. The student is then admitted to the laboratory and performs a series of experiments, making his own measurements and computations and entering them in his laboratory note book. This note book is a part of the permanent results of the study for which credit is given. *Three hours a week throughout the year.*

III. Geology.—Geology is required in the first semester of the third year of the Scientific and Literary Courses. The object of the study is to give the students who take it some knowledge of the

elements of the science, and to show them how the earth has reached its present condition. The work is designed to be observational in its character, but a text-book is used as a guide and to furnish facts not otherwise easily accessible to the student. *Four hours a week.*

IV. PHYSIOGRAPHY.—Physiography is required of the students of the Scientific and Literary Courses in the first semester of the fourth year. *Four hours a week.*

V. CHEMISTRY.—General Chemistry is required of all students, except classical, in the fourth year, second semester. The work is done mainly in the chemical laboratory and is supplemented by lectures and text-book work. The text used is Hessler and Smith's Essentials of Chemistry. The work is quantitative throughout, and is of such a nature as to give data from which the student may himself derive the more important laws governing chemical reaction. Students are required to make careful written record of facts observed and drawings of apparatus used and to write all reactions. *Three hours a week.*

ENGLISH.

The work has two aims: First, acquaintance with and love of good literature; second, expression of thought in direct, simple prose.

I. Elementary composition; masterpieces of American Literature. *Five hours a week throughout the year.*

II. Elements of Rhetoric; De Coverley Papers, Ivanhoe, Silas Marner, and themes based upon these works. *First semester three hours, second semester four hours.*

III. Gayley's Classic Myths and related literature. *Two hours a week throughout the year.*

IV. Study of Shakespeare's Merchant of Venice, Julius Cæsar, Macbeth; Milton's Minor Poems; Coleridge's Ancient Mariner; Tennyson's The Princess; Burke's Speech on Conciliation with America, and themes based upon these works. *First semester five hours a week, second semester two hours a week.*

HISTORY AND CIVICS.

The Academy aims at furnishing its students as large an opportunity for acquiring a knowledge of these subjects as is consistent with the claims of other studies. A year is given to English History, a year to General History, a semester to Greek and Roman History, and a semester to Civil Government. The courses in History are designed for giving a thorough knowledge of the outlines of the subject and for laying a broad structure for subsequent historical study.

GERMAN.

It is the aim of this department to give a thorough grammatical and conversational knowledge of German. The first year's work is devoted to Elementary Grammar, including declensions, conjugations and translations of English exercises every day, and conversational drill.

The German script is used and the conversation of the class-room is in German as far as possible.

The second year is devoted to a more advanced study of the best authors, and one day each week is devoted to prose composition.

Klenze's Deutsche Gedichte is used throughout the course, thus the student becomes acquainted with the works and lives of the best German poets. Many of these poems are memorized.

I. Thomas' Practical Grammar, Part I. Translation of English exercises. *Five hours a week.*

II. Thomas' Practical Grammar, Part I. Stern's Geschichten vom Rhein. Poems memorized. *Five hours a week.*

III. Thomas' Practical Grammar, Part II. Prose composition. Poems memorized. Sturm's Immensec. *Five hours a week.*

IV. Freytag's Die Journalisten; Schiller's Wilhelm Tell; Goethe's Hermann and Dorothea. *Five hours a week.*

ENGLISH BIBLE.

The following year courses are offered:

I. Jewish Social Life, including the education of children, home life, marriage and funeral customs, traveling, trade, the synagogue

and its worship, and whatever else in the social life of the people is calculated to throw light upon the Scriptures.

II. The Geography of Bible Lands in its connection with the history of the Chosen People.

III. Old Testament History from the beginning to the times of Ezra and Nehemiah.

IV. The books of the Bible; their authorship, the circumstances in which they were written, the purposes of the writers, and an outline of the contents.

THE SCHOOL OF PEDAGOGY.

INSTRUCTORS.

JOSEPH W. EWING,
Pedagogics.

MRS. MARY D. PLUM,
Child Study and Kindergarten Training.

JAMES E. MITCHELL,
Applied Psychology.

KATE L. BOOTH,
Drawing.

MRS. JOSEPHINE ST. JOHN,
Vocal Music.

JAY CLIZBE,
English Bible.

I. OBJECTS AND ADVANTAGES.

The importance of an adequate preparation for the profession of teaching has led to the unifying of the work of pedagogical instruction in this institution under the title of the School of Pedagogy. The school is divided into three departments, viz: Pedagogics, Kindergarten Training and Normal Instruction, each of which is independent of the others, and yet has certain points of contact with them. Through this correlation the student secures very substantial advantages in the stimulus that comes from contact with workers whose aims are similar to his own, and in the clearer view it gives him of the place that his own work occupies in the field of educational effort.

All the rich opportunities for culture that a thoroughly equipped college affords may be utilized here by the members of this school. Among these may be mentioned classes in drawing and vocal music, lectures on special and general topics, a fine library whose pedagogical section is especially rich in the latest works on pedagogy, a reading room on whose tables are found the foremost periodicals of a professional character, and well equipped laboratories for special work in

science. A perusal of this Catalogue should convince the most skeptical that a course of training for teaching which is pursued in such an environment has the promise of most valuable results both in general culture and in special fitness for the work of training the young.

A committee of the Faculty has special charge of securing positions for graduates of the school, and every effort is made to be of assistance to them in this matter.

II. DEPARTMENTS AND COURSES OF INSTRUCTION.

PEDAGOGICS.

The courses in this department are offered to the members of the Junior and Senior classes in the College. For the description of the work see page 26.

KINDERGARTEN TRAINING.

AIM.

This department aims to graduate earnest, intelligent and practical Kindergarten and Primary School teachers. Those intending to enter are expected to do so at the beginning of the College year, and, if possible, to be ready the first day.

REQUIREMENTS.

Applicants should be at least eighteen years of age; none under eighteen will be admitted unless by special permission. They should have had a high school course or its equivalent.

Some ability to sing, good health, love for children, and general culture are essential.

Students are expected to observe and practice in the Kindergarten. When called upon to recommend students for positions, we must know from observation that they are competent to carry out in practice the theories of the class-room.

SPECIAL FEATURES.

A college Kindergarten, conducted daily. Members of the training class are permitted to act not only as assistants under the Principal's supervision, but also as Director in her presence. Connecting class work is practically illustrated. Special emphasis is laid

upon the great value of Kindergarten work as an educational and religious power in mission work.

Ten weeks' work in the Art School, vocal classes, special lectures by members of the College Faculty, Kindergarten section in the library.

Kindergartners and others who wish to take a review, post-graduate or special work may enter at any time.

NORMAL INSTRUCTION.

This department offers a course of four years which, in addition to the academic work, include professional instruction in History of Education, School Organization and Management, School Law and School Systems, Child Study and Theory of the Kindergarten. The instruction is thorough, comprehensive and practical, and gives ample preparation for securing a First Grade Certificate.

Students who furnish certificates of academic work done elsewhere may be admitted to advanced standing, and thus be able to complete the course in less than the prescribed time. A diploma will be given to those who finish the work of this department.

III. OUTLINE OF THE COURSES OF INSTRUCTION.

PEDOGOGIC COURSE.

JUNIOR YEAR.

First Semester.		Second Semester.	
History of Education,	2	School Management,	2
Vocal Music,	1	Child Study and Theory of Kindergarten,	1
Drawing,	1	Vocal Music,	1

SENIOR YEAR.

First Semester.		Second Semester.	
Applied Psychology,	2	School Law and School Systems,	2
Principles and Methods of Teaching,	2	Courses of Lectures on Organization and Management of Schools	1

As supplementary to the course of study, four essays, a thesis and a course of reading on educational topics are required.

KINDERGARTEN TRAINING COURSE.

FIRST YEAR.

First Semester.		Second Semester.	
German (optional),	5	German (optional),	5
Psychology; Study of the Child,	2	Psychology; Study of the Child,	2
Educational History,	3	Theory and Practice of Kindergarten Gifts.	3
Theory and Practice of Gifts,	2	Kindergarten Occupations,	2
Kindergarten Occupations,	2	History of Architecture,	2
History of Architecture,	2	Educational History,	3
Study of Frœbel's Child Nature,	1	Modeling,	1
Physical Work,	3	Physical Work,	3
Bible,	1	Bible,	1
Program Class,	1	Mythology,	1
Chorus,	1	Program Class,	1
		Chorus,	1

SECOND YEAR.

First Semester.		Second Semester.	
Frœbel's Mother Play,	4	Frœbel's Mother Play,	4
German (optional),	3	German (optional),	3
Sociology,	3	Sociology,	3
Education of Man,	2	Education of Man.	2
Analysis of Games and Original Programs,	1	Primary Methods,	1
Gymnasium Work,	3	Gymnasium Work,	3
Bible,	1	Bible,	1
Program Class,	1	Program Class,	1

Ten weeks' work in Art department. Observation and practice in Kindergarten.

Daily practice and observation in Kindergarten.

A certificate will be given to those who complete the first year of the course; a diploma, to those who complete the whole course.

NORMAL COURSE.

FIRST YEAR.

First Semester.		Second Semester.	
Arithmetic,	4	Arithmetic,	4
Reviews,	3	Reviews,	5
History of England,	3	History of England,	3
Penmanship,	2	English (see page 30),	5
English (see page 30),	5	Bible Geography,	1
Jewish Social Life,	1		

SECOND YEAR.

First Semester.		Second Semester.	
Elementary Algebra,	4	Elementary Algebra,	4
General History,	3	General History,	4
Civil Government,	3	Book-keeping,	3
English (see page 30),	4	English (see page 30),	3
Reviews,	4	Reviews,	3
Study of the O. T.,	1	Study of the O. T.,	1

THIRD YEAR.

First Semester.		Second Semester.	
Higher Algebra,	3	Higher Algebra,	3
Natural Philosophy,	4	Natural Philosophy,	4
Geology,	4	Botany,	4
Experimental Psychology,	3	School Management,	2
English (see page 30).	2	English (see page 30),	2
Vocal Music,	2	Vocal Music,	2
Drawing,	1	Study of the O. T.,	1
Study of the O. T.,	1		

FOURTH YEAR.

First Semester.		Second Semester.	
Geometry,	5	Geometry,	5
Physiography,	4	Chemistry,	3
Methods of Teaching,	2	Theory of Kindergarten,	1
English Classics,	5	School Systems and School Laws,	2
History of Education,	2	Greek and Roman History,	3
Books of the Bible,	1	English Classics,	2
		Books of the Bible,	1

COMMERCIAL SCHOOL

INSTRUCTORS.

EUGENE D. PENNELL, PRINCIPAL,
Accounting, Shorthand,
Penmanship.

J. E. MITCHELL, A. M.,
Civics.

A. P. COOK, A. M.,
English.

J. W. EWING, A. M.,
Arithmetic.

I. A MODERN BUSINESS TRAINING SCHOOL.

Alma College Commercial School is a modern business training school for young men and women. It prepares its pupils in one year to enter the business world with a knowledge of commercial usages which could otherwise be acquired only by many years of actual business experience.

The course embodies all the ordinary commercial branches, and in addition to these, gives a broad conception of the principles underlying modern business methods.

The course may be taken to advantage by young men and women of limited or liberal education, the grammar school student or the college graduate. It gives the specific training needed by those who desire to start as book-keepers, stenographers, etc., and at the same time is broad enough for those who are to enter at once upon the duties of responsible positions with large firms or corporations.

The requirements for graduation are such that every student who receives a diploma is fully prepared to undertake the duties of a responsible position, whether in the office of a small business firm or that of a great corporation.

III. THE COURSES.

THE BUSINESS COURSE.

The Business Course includes Book-keeping, Penmanship, Com-

mercial Arithmetic, Business Correspondence, Spelling, Commercial Law, Commercial Geography, Business Forms and Customs, Banking and Civics.

THE SHORTHAND COURSE.

The Shorthand Course gives special training in Shorthand, Touch Typewriting, Penmanship, English and Correspondence. In this course special attention is given to practical English, comprising Spelling, Defining and Use of Words, Grammar and Punctuation, Synonyms and Etymology.

SPECIAL COURSES.

Students entering either the Business Department or the Shorthand Department with a view to graduating will be required to take work and pass examinations in all the subjects as outlined above. However, special courses can be arranged for by those who desire to take one or more subjects of either course. Students in the Academy of Alma College will be allowed to take work in either department of the Commercial School, and credits will be allowed for all work completed. Special courses are also arranged for those who desire special work in English, Penmanship, or Arithmetic, or to prepare for Civil Service or other examinations.

II. REQUIREMENTS FOR ADMISSION.

BUSINESS COURSE.

The applicant for admission to the Business Course must have an English education equivalent, at least, to that required for admission to the best high schools of the state. He must be able to spell and capitalize correctly, to use his mother tongue with a fair degree of ease and propriety, to compute ordinary calculations with rapidity and accuracy. The graduate of a business school who has been given the so-called commercial training, but who is without a good working knowledge of English, will be sadly disappointed when he enters the great world and attempts to compete successfully with professional men. Alma College Commercial School does not desire to disappoint its graduates. It, therefore, requires its candidates for admission to have such preparation as will enable

them to undertake the Business Course to their advantage and profit.

SHORTHAND COURSE.

It is an absolute waste of time and money for a young man or woman without a sufficient English education to attempt to take up the study of Shorthand. For this reason, applicants for admission to the Shorthand Course must pass an entrance examination.

Graduates of high schools, academies, and similar institutions of learning will be admitted without further examination.

IV. OUTLINE OF THE COURSES OF STUDY.

BUSINESS COURSE.

First Semester.	Second Semester.
Penmanship,	Book-keeping,
Spelling,	Business Practice,
Business Correspondence,	Penmanship,
Commercial Arithmetic,	Commercial Law,
Rapid Calculations,	Corporation and Voucher Accounting,
Book-keeping,	Banking.
Commercial Geography,	
Civics.	

SHORTHAND COURSE.

First Semester.	Second Semester.
Shorthand,	Shorthand,
Typewriting,	Office Practice,
English Composition,	Typewriting,
English Grammar,	Spelling,
Penmanship,	Penmanship,
Spelling.	Commercial Law.

V. REQUIREMENTS FOR GRADUATION.

BUSINESS COURSE.

The student of the Business Course, having completed the required work of the department, is subjected to an examination for graduation. The subjects of examination are Book-keeping, Business Arithmetic, Penmanship, Spelling, Correspondence, Commercial Law, Commercial Geography, and Civics. In Book-keeping two ratings are given, one based upon examinations given from time to time during the course, and one for questions in theory at the com-

pletion of the course. Two ratings are also given in Penmanship, one based upon the ability shown in writing the Banking Set and one for specimen written at completion of course.

SHORTHAND COURSE.

The student of the Shorthand Department, having shown by his daily work in the Advanced Department that he has attained the desirable proficiency, is recommended for the graduating test.

In Shorthand the student must maintain a speed of one hundred words per minute for five consecutive minutes and must be able to read back at once the matter dictated. Not more than eight minutes must be consumed in the reading. A maximum of five errors is allowed in reading.

An average speed of thirty words per minute on the typewriter for ten consecutive minutes is required. Five errors are allowed.

The examination in English includes Spelling, Defining and Use of Words, Grammar and Punctuation, and Correspondence.

For full and detailed information of the different courses send for special catalog published by the Commercial School.

THE SCHOOL OF MUSIC.

INSTRUCTORS.

MRS. JOSEPHINE ST. JOHN,
PRINCIPAL,
Voice Culture, Harmony and Theory.

ELNORA BUSHNELL,
ASSOCIATE PRINCIPAL,
Pianoforte.

HERBERT A. MILLIKEN,
Violin.

ROSE MESSINGER,
Pianoforte.

Three courses of study are offered: Pianoforte, Voice Culture and Violin. Upon the completion of any of these courses with satisfactory public performances, a diploma will be given.

I. PIANOFORTE COURSE.

In the study of the pianoforte, while care is taken that the student shall have a thorough foundation in technique, great stress is laid upon the expression of musical thought and the cultivation of a good style, that the works of the masters may be rendered with intelligent interpretation.

This course is divided into five grades, the time of completion of which will depend upon the talent and application of the pupil. Harmony, Theory and Musical History are required.

Certain studies are required for all students, but there are many works that may be essential for one student and not at all necessary for another.

The following list is an outline of studies indicating the standard of technical difficulty.

GRADE I.

PREPARATORY.

Emery's Foundation Studies; Loeschhorn; Mathews; Selected Studies, Heller; Preparatory Exercises, Schmidt; Hand Culture.

GRADE II.

Loeschhorn, op. 52, op. 66; Mathews; Heller; Practical Finger Exercises, Czerny; Twelve Little Preludes, Bach; Sonatinas, by Clementi and Kuhlau.

GRADE III.

Mathews; Cramer; English Suite, Bach; 40 Daily Exercises, Czerny; Sonatas by Mozart.

GRADE IV.

Cramer; Studies for the Left Hand, Tappert; Inventions, Bach: Selections from op. 740, Czerny; Sonatas and pieces by Mendelssohn, Beethoven, Chopin and others; Octave Studies, Kullak.

GRADE V.

Czerny, op. 740; Gradus ad Parnassum, by Clementi; Preludes and Fugues from the Well-Tempered Clavichord, by Bach; Studies by Moscheles, op. 70; Kullak, Octave Studies, Book II; Sonatas, and other solo works, by Beethoven, Chopin, Schumann, Liszt and Mendelssohn.

II. VOCAL COURSE.

This course comprises Vocal Culture, Harmony, Theory, Musical History and Pianoforte grades I and II.

The vocal work is divided into five grades, corresponding to the pianoforte course; but no definite time is fixed for the completion of any grade of the course, as the talents and application of the student determine the rapidity of his progress.

The purpose of this department is to cultivate the art of singing, physiologically and æsthetically. At the same time something beyond mere technical skill is arrived at, in that a musicianly style of singing, together with an appreciation of and ability to render the works of the great masters is earnestly striven for. The Orgeni method, developed from the Lamperti and the Viardot Garcia systems of instruction, is used.

GRADES I. AND II.

The different actions of the vocal chords throughout the various registers are established and the same carefully blended. Dia-

phragmatic breathing is thoroughly grounded; technical exercises to be sung mezzo de voce are given for the purpose of producing purity of tone and acquiring a good legato and flexibility. Solfeggi from Scharfe's first book; Sieber's Elementary Vocalises. Marchesi's op. 5.

GRADES III. AND IV.

The natural purity, richness and range of the voice are carefully extended, enunciation and intonation are thoroughly considered. Vocalises and Solfeggi during the work in these grades are taken from Sieber, op. 129 to 143 inclusive; Marchesi, op. 6; Concone, op. 10; and Scharfe's Second Book. Ballads and songs are used extensively. Practice in ensemble, in duet, trio, quartet, choir and chorus is furnished.

GRADE V.

In this grade artistic development in regard to tone in sostenuto and pianissimo is carried on, the range of the voice is carefully extended and accuracy and brilliancy in technical execution are further advanced. Vocalises are taken from Scharfe's Book III, Concone's op. 12; Righini's, Marchesi's op. 7; Bordogni's Studies for phrasing and flexibility. A repertoire of church and concert music is prepared. Arias from the operas and oratorios are studied. Ensemble singing is continued.

III. VIOLIN COURSE.

This course comprises the study of the Violin, Harmony, Theory, Musical History and Pianoforte, Grades I and II.

Ensemble playing is made a special feature. Pupils have the privilege of participating in duets, trios, quartets, rehearsals of the string orchestra class and the pupils' recitals which are given at intervals during the year.

GRADE I.

Easy exercises, studies and pieces. Intervals, embellishments, etc.

GRADE II.

Diatonic and Chromatic scales in all positions, bowing exercises, intervals. Selected solos of Dancla, DeBeriot, and others.

GRADE III.

Intervals. Bowing exercises. Studies by Kreutzer and Alard (op. 16). Violin Sonatas by Haydn, Mozart, Schubert, etc.

GRADE IV.

Remainder of Kreutzer studies (Nos. 30 to 40); exercises by Leonard and Schradieck. Rode's 24 Caprices. Bow studies by Meerts. Violin Sonatas by Beethoven, Schumann, Grieg and others. Concertos by Viotti, Rode and Kreutzer. Pieces of classic and modern form.

GRADE V.

Studies by Dont and Paganini. Concertos by Spohr, Mendelssohn, Beethoven. Brilliant concert solos by DeBeriot, Bazzini, Wieniawski, Vieuxtemps, and others. Playing at sight of first violin part of Beethoven's String Quartets.

PUBLIC SCHOOL MUSIC.

The object of this course is to fit those who are otherwise qualified for the supervision of music in the public schools. To receive a diploma students must have had two years of Harmony and a year of History of Music, and Psychology, as pursued in the Kindergarten Course. The additional requirements are the ability to read music at sight readily and to play simple accompaniments, and a sufficient knowledge of voice culture to use the voice properly.

SIGHT SINGING.

A class in the rudiments of musical notation and reading music at sight is conducted during each year. It is open to all students of the College. Special classes of three or four will be formed for more thorough and extensive work.

ENSEMBLE SINGING.

The Choral Society prepares for public performances choruses, cantatas and selections from the operas and oratorios. It is open to all students. Entrance tests as to quality of voice and ability to read music are required of all.

HARMONY, THEORY AND MUSICAL HISTORY.

Classes in these subjects are open to students who have entered upon the third grade.

Harmony—two years.

Theory—one year.

Musical History (without extra tuition)—one year.

Frequent reviews and tests are required, and examinations are given at the end of each semester. Candidates for graduation are required to pass a satisfactory examination in all of these subjects.

RECITALS.

In addition to the faculty recitals, artist recitals are given during the year.

By means of the pupils' recitals and numerous entertainments, an abundant opportunity is given the pupils for public performance.

These recitals, with the exception of the artist recitals, are free to all students.

PIANOFORTE ENSEMBLE CLASS.

Advanced pupils in pianoforte are admitted to the Ensemble Class which meets once a week to study the Beethoven Symphonies.

ORCHESTRA.

The students of the violin department, assisted by several resident players, have formed the college orchestra. Weekly rehearsals are held during the winter and spring months under the direction of Mr. Milliken.

MANDOLIN.

An instructor has been secured for those who desire to study the mandolin. The students of this department are expected to become members of the college mandolin club as soon as their ability permits.

MISCELLANEOUS ITEMS.

The study of the modern languages is recommended in connection with the musical studies. The musician who is educated broadly is the type in demand to-day.

Music students are allowed to take language study to the extent of five hours per week without extra charge.

No student of the department will be allowed to take a musical part in a public performance without the permission of the teacher with whom he is studying.

No deductions will be made for lessons missed except in case of protracted illness. In such case, the College will share the loss equally with the student.

The department furnishes a library of well-chosen music, to which all students have access.

THE SCHOOL OF ART.

KATE L. BOOTH,
PRINCIPAL.

I. OBJECT.

The object of this School is to develop the power of observation, and to train the eye and hand to produce what is seen:

First, by a thorough study in black and white from various models, casts, etc.

Second, by studies in still life, preparing for more advanced work in sketching from nature and life.

The School is furnished with a good assortment of casts, a large addition having been made in recent years. A kiln for the firing of china has also been provided, which further increases the efficiency of the Decorative Department.

II. COURSES OF STUDY.

FIRST YEAR.

Elementary principles of Drawing and Perspective in Pencil and Charcoal.

Drawings from Objects and Casts.

Sketching from Nature in Charcoal and Water Colors.

SECOND YEAR.

Sketching and drawing from Still Life.

Grouping and Composition.

THIRD YEAR.

Sketching from Life in Pencil and Charcoal.

Study from Nature continued.

FOURTH YEAR.

Painting from Life and Nature exclusively.

The class in sketching from Nature is continued throughout the spring and fall, as the season permits. This branch of the department, as well as sketching from life, receives special attention.

The work of the pupils will be on exhibition during Commencement Week.

It is especially desired that all students entering for a course in Art should be present at the opening of the semester.

GENERAL INFORMATION,

SUGGESTIONS TO APPLICANTS FOR ADMISSION.

The requirements for admission to the College are presented on pages 7-10; to the Academy, on page 29. For an understanding of the nature and scope of the courses of study of the College, the applicant should study the description of the courses given on pages 15-27. The table of contents at the end of this Catalogue will direct him to the page on which each subject is treated.

New students should arrive on Saturday or Monday before the opening of a semester, so as to conclude all necessary arrangements. A list of rooms and boarding places may be consulted at the College office in the Administration building. Young women may repair directly to Wright Hall and consult the Dean with regard to matters of personal interest.

Letters of inquiry may be addressed to the President or to the Dean of Wright Hall.

ADMISSION AND DISMISSION.

Applicants for admission to any department of the institution will first report to the President for registration. They must present testimonials of good character, and those who are from other institutions of learning must furnish certificates of standing and honorable dismission. If they desire to enter any of the College courses, they will then report to the Registrar; if any of the schools, as Art, Music, etc., they will report to the Principal of the school. Those who do not bring diplomas or certificates from accredited schools will then be sent to the different instructors for examination. As soon as the candidate is informed of his admission, he will repair to the Secretary of the College and pay his first semester's bill.

All students admitted to the institution will be on probation for the first three months. If during this period a longer stay is by the Faculty deemed unadvisable in the case of any student, he may be so informed privately and permitted to withdraw.

Any student may, at any time, be privately dismissed if the Faculty deem his further connection with the institution undesirable.

Any student against whom there are no unpaid bills nor charges of misconduct is entitled to an honorable dismission.

STUDIES AND EXAMINATIONS.

No student may take up a study out of the order prescribed in this Catalogue, or drop a study once entered upon without the consent of the Faculty.

No College or Academy student is allowed to take more than nineteen hours of class-room work weekly, without permission of the Faculty.

Examinations are held at the close of each semester and at intervals during the semester at the discretion of the instructors. The results of the semester examinations are reported to parents and recorded for future reference.

If at any examination the standing of a student is unsatisfactory, he shall be duly informed and notice may be sent to his parents or guardians. If there be no improvement, the student may be dismissed from college.

Conditions must be removed within one year from the time of the examination.

DEGREES AND CERTIFICATES.

The degree of Bachelor of Arts is conferred upon graduates from the Classical Course; that of Bachelor of Philosophy upon graduates from the Philosophical Course; that of Bachelor of Science upon graduates from the Scientific Course; and that of Bachelor of Letters upon graduates from the Literary Course.

A second degree in any one of the above mentioned courses will be conferred only on graduates of two years' standing who shall have pursued advanced studies under the direction of the Faculty, and given satisfactory evidence of adequate attainments.

Students who complete the prescribed course in the Academy, the Pedagogical, the Commercial, the Music or the Art School, will receive certificates of the fact.

COURSES AND CREDITS.

A "course" is five recitations of an hour in length per week for

one semester. Twenty-seven such "courses," including one exercise per week in rhetorical work, are required for graduation.

College students are credited in this Catalogue with the number of hours completed at the end of the first semester of the year 1902-1903.

LOCATION AND ADVANTAGES.

The flourishing village of Alma is situated in Gratiot county, about thirty-nine miles west of Saginaw, and very near the geographical center of the lower peninsula. Its location at the junction of the Pere Marquette and the Ann Arbor railroads renders it easily accessible. The town has good sewerage and an excellent system of water works, and experience proves that it is exceedingly healthful. The moral tone of the community is high, its church privileges abundant and its public school system fully organized and efficient. Those who have children to educate and who desire to surround them with the influences of home life will make no mistake in choosing Alma as a place of residence.

RULES FOR CLASSIFYING COLLEGE STUDENTS.

1. For Sophomore standing a minimum credit of 36 hours is required; for Junior standing, 70 hours; for Senior standing, 104 hours.

2. No student shall be classified as a Sophomore who has any entrance conditions; or as a Junior, who has any Freshman conditions; or as a Senior, who has any Sophomore conditions.

COLLEGE BUILDINGS.

Of these there are at present six: the Administration building, Wright Hall, the Library, the Museum, the Gymnasium, and Pioneer Hall.

The Administration building contains the college office, chapel, recitation rooms, laboratories, rooms for the Art and Music schools, and halls for the Zeta Sigma and Phi Phi Alpha literary societies.

Wright Hall, the new home provided for the young ladies by the munificence of Ammi W. Wright, is the latest addition to the structures on the campus, and in architectural appearance and adaptation to its purposes is unexcelled by any building of its kind

in the country. It is built of paving brick trimmed with stone, and is four stories in height above the basement which is of field stone. The interior finish is very pleasing and the arrangements for the comfort of the occupants are complete. Great care will be taken to surround this noble edifice with a fitting setting of green sward, shrubbery and trees that it may typify to coming generations of college students the ideal college home.

The Library Building contains the stack room, with shelving for 20,000 volumes, the large and well-lighted reading room and the librarian's office. It is built of red brick trimmed with stone, is handsomely finished in hardwood, and is in all respects well adapted to its particular uses.

The Gymnasium Building contains the Founders' room, the Kindergarten room, the Gymnasium and a locker and bath room. The room occupied by the Kindergarten department is large and well-lighted, and in other respects well arranged for both school and recitation purposes. The Gymnasium occupies the entire upper floor of the edifice, and with its equipment of apparatus, the generous gift of Mr. John W. S. Pierson, of Stanton, Michigan, furnishes adequate facilities for athletic training. Here, during the winter months, daily classes in physical culture offer to all the opportunity for that systematic training of the body which is so necessary to the health of the student.

The Hood Museum of Natural History, the gift of Mrs. Francis Hood and Frank Hood, of Saginaw, Michigan, was finished and dedicated in June, 1900. It is built of rock-faced paving brick, trimmed with red sandstone. It is two stories and a basement in height, with slate roof, and is one of the finest structures on the campus.

Pioneer Hall, the men's dormitory, for which purpose the former Ladies' Hall has been remodeled, is a substantial brick structure, three stories in height, standing at the northeast corner of the old campus. It is provided with modern conveniences, such as steam-heat, electric lights, and baths, and has rooms for forty students The assembly hall of the Y. M. C. A. on the first floor is con-

veniently located to serve the religious and social needs of the men students.

These buildings, with the exception of the Museum, are heated by steam from a central heating plant.

THE LIBRARIES.

The Libraries of Alma College comprise

(1) The General Library.
(2) The Pollasky Law Library.
(3) The Lucy Plum Mitchell Library of History and Political Economy.
(4) The Sarah H. Lancashire Library.
(5) The Arthur Hill Library of Lincolniana.

The libraries contain 18,492 volumes and a valuable collection of pamphlets, an increase of 591 volumes for the year.

The collection embraces a great variety of works in Classical, English and Foreign Literatures, in Biography and History, in the various Sciences and Arts, and is exceptionally well furnished with encyclopædias and complete sets of American and European reviews. They are classified and arranged according to the Dewey system, and an index of authors, titles and subjects places the contents of the Library at the command of all who are in search of information upon any subject.

Immediately adjoining the Library Room is the Reading Room, supplied with cases of reference books and the leading journals and periodicals of this country and England.

The Law Library, the gift of Marcus Pollasky, of Detroit, Michigan, consisting of 782 volumes, and occupying a separate alcove, is, during library hours, accessible to members of the bar, who are cordially invited freely to avail themselves of its privileges.

The Library of Lincolniana, the gift of the Hon. Arthur Hill, of Saginaw, fills a large case in the Reading Room.

Both the Library and Reading Room are open every week-day during the term from 9 a. m. to 12 m., and from 1:30 p. m. to 5 p. m., with the exception of Saturday, when the hours are from 1:30 p. m. to 5 p. m.

Students may examine and use the books and periodicals dur-

ing library hours, and may draw one book at a time to be taken away and returned in one week, and, if renewed, one week longer. All other persons are allowed to use the Library and Reading Room freely, and on payment of an annual fee of $1.00 are permitted to draw books on an equal footing with the students. Transient visitors in town are charged twenty-five cents per month. Resident ministers of the gospel and their families are permitted to draw books free of charge.

We gratefully acknowledge gifts of books and magazines from:

A. W. Wright, Alma; Gov. A. T. Bliss, Saginaw; Prof. J. W. Ewing, Alma; Kindergarten Classes, '03 and '04; Classical Club, Alma College; Dr. A. F. Bruske, Alma; Froebel Society, Alma College; Prof. Jay Clizbe, Alma; Young Men's Mission Class; G. H. Smyth, New York; Burrows Brothers, Cleveland; Young Women's Mission Class; J. L. Bailey, Philadelphia; S. G. Caskey, Detroit; Bryant Walker, Detroit; H. P. Bush, Caro; Mrs. W. A Bahlke, Alma; U. S. Government; F. M. Elliott, W. T. Knowlton, Saginaw.

FRANCIS A. HOOD MUSEUM.

At Commencement, 1897, the Museum was formally opened in the east room of the ground floor of the Gymnasium Building. The installation of the collections in this place and the equipments of the Museum, had been made possible by the generous gifts of Mrs. Francis A. Hood, of Saginaw, and her son, in memory of Mr. Hood, to whom the Museum is dedicated. At Commencement, 1900, The Hood Museum was formally opened again, in the new building west of the Library, which will be wholly devoted to its needs. This building has two large exhibition halls lighted in such a way as to give the largest possible space for the display of the collections. In the basement are store-rooms and laboratories for the preparation of specimens, making the building the most complete and convenient museum building in the state.

In this building it is hoped that the museum will become to students of science what the library is to students of literature and history, and it is proposed to make every specimen in it as accessible for study and comparison as the books in the library are.

The cases in use in the museum are built of oak, constructed on plans furnished by the U. S. National Museum, and are provided with adjustable shelves, dust and insect-proof doors, etc. At present the geographical and mineralogical collections are the only ones systematically installed, but the re-arranging and installing of the other material will be carried on as rapidly as possible until it is all mounted and labeled in such a manner as to be of the best possible use and interest to the students and to the general public.

The collections of the College are:

(1) The Stillwell collection of Michigan birds and animals.
(2) The W. S. Crawford collection of birds.
(3) The Shroyer-Wilcox collection of palaeozoic fossils.
(4) The Alexander Winchell collection of rocks, minerals and fossils.
(5) The general biological collection.
(6) The general geological and mineral collection.

The Stillwell collection was made by a former resident of Alma, most of the specimens being collected in the vicinity of the College and representing some species now extinct or very rare for this locality. It numbers nearly 300 specimens and was obtained by purchase.

The W. S. Crawford collection was made by the donor in various parts of the United States, and has a variety of rare specimens of birds from Florida, Arizona and Michigan.

The Shroyer-Wilcox collection is a systematic collection of about one thousand species and many thousand individuals of seating 400 people. In honor of the donor it has been christened palaeozoic fossils, those of the Cincinnati group of rocks being especially well represented. It is valuable as a supplement to the other collections of fossils in the museum. It was acquired by purchase.

The Alexander Winchell collection is the largest and most valuable as well as the most recent acquisition of the museum. The collection is that gathered by Professor Winchell during his long and active life as geologist and teacher, and contains over 6,000 specimens, many of which were collected in Michigan by Dr. Winchell and described by him. These type specimens have an especial

scientific value. As soon as the cases now building are finished, this collection will be installed. It was presented by friends.

The general biological collection contains representative vertebrate and invertebrate animal material, most of it yet to be arranged for exhibition, which has been collected during the history of the College. It will occupy the upper hall of the Museum. It is estimated to contain 2,000 specimens.

The general geological and mineral collection is installed in the east end of the lower hall of the museum and numbers 2,500 specimens. It has been obtained largely by small gifts from numerous friends.

Additions have been made to the Museum during the year by the following donors, and the gifts are gratefully acknowledged: The Smithsonian Institution; Scott, Foresman & Co., Chicago; M. A. Conner, Detroit; D. Cumming, Sibley Quarry, Trenton, Mich.; Mr. Frank Hood, Saginaw.

LABORATORIES.

The equipment of the Physical Laboratory is ample for experimentation in Mechanics, Hydrostatics, Light, Heat, Sound and Electricity. The Laboratory is supplied with gas, water, tables, and other appliances, which add very materially to its facilities for scientific work.

The Biological Laboratory is furnished with all necessary apparatus for thorough practical work. The equipment consists of a sufficient number of compound and simple microscopes, section instruments and micro-re-agents, and such other accessories as are required.

The Chemical Laboratory now occupies the entire basement of the east wing of the recitation hall. This nearly doubles the laboratory space, and will give much needed rooms for students in quantitative and special courses.

The General Laboratory is fitted up with tables, apparatus and chemicals, and will, as arranged at present, accommodate twenty-four students. Each desk is supplied with gas and water under pressure, re-agents and necessary apparatus. Particular attention has been

given to procuring apparatus for hastening tedious processes as much as possible, and to convenience of arrangement. Ventilating hoods have been placed over the tables, and much improved ventilation is the result.

The Quantitative Laboratory during the last year has had a large ventilating hood placed in the room; this hood will accommodate twelve or fifteen students. This laboratory has, also, three fine weighing balances, blast lamps, combustion and crucible furnaces, etc.

The Organic Laboratory now has a good ventilating hood, balance, hot air and water ovens, Kieldahl's apparatus for the determination of nitrogen, fat extractors, and such other apparatus as is required for the work.

The Chemical Department also possesses a fine spectroscope and a sufficient amount of miscellaneous apparatus for thorough practical work. A reference library, consisting of some of the latest chemical books, is kept in the Laboratory for the use of students.

WRIGHT HALL.

MARY LOUISE ALLEN,
Dean.

MISS T. ALBERTSON,
Matron.

Wright Hall, the gift of Mr. A. W. Wright, is one of the most complete college dormitories in the country, and has accommodations for one hundred young women. It is heated throughout with steam, is lighted by electricity, has hardwood floors, and contains a spacious reception hall, parlors and dining-room on the first floor, attractive rooms for the literary societies, commodious bath rooms, fitted with porcelain-lined tubs—in fact all has been planned for the health and comfort of the students.

It is desirable that all should be members of the family at Wright Hall, which is under the immediate supervision of the Dean, who is directly responsible for the government of the young women.

She will assign them their rooms and have the general supervision of their personal habits.

Parents and guardians are invited to communicate freely with the Dean touching the interests of their daughters and wards, thus enabling her to understand and meet the peculiar needs of each student.

Girls under sixteen years of age will not be received, except by special arrangement.

Young women wishing to room outside of Wright Hall must obtain permission to do so from the Faculty.

At the time of application for admission a deposit of $5 must be made by each student in order to secure a room. This sum will be credited on the first semester's bill or will be refunded if the student decides to withdraw, provided notice is sent a month before the beginning of the college year.

The rooms are single or arranged in suites and are furnished with single enameled couch bed and springs, felt mattress and pad, pillow, oak dresser, wash-stand and crockery, study table, book-case, chairs and window shades. Each student is expected to furnish her own towels, two pairs of sheets and pillow-slips, blankets or comforts, rug and such conveniences and adornments as may be desired.

The price of single rooms ranges from $18 to $36 a semester, according to size and location, the most of them being $22.50 and $27 a semester. A deposit of fifty cents is required for keys, which is returned on surrender of the keys.

Table board is $2.50 per week. This price may vary as necessity requires. An extra charge is made for meals sent to rooms.

In case of serious or extended illness, the student will be removed to the sick room, the expense of which is $1.00 per week. When a nurse is necessary, the expense will be charged to parents or guardians.

Wright Hall will be closed during all vacations.

Any young woman wishing to enter the institution should make application to the Dean by letter at an early date, giving age and acquirements and stating wishes as to room, course of study, etc.

PIONEER HALL.

MRS. A. L. BURNETT,
Matron.

To young men in Alma College who prefer dormitory life, ample facilities are offered at Pioneer Hall, where the substantial comforts and conveniences of home life are provided at moderate cost. All the rooms are lighted by electricity and heated by steam, and are cared for by a competent matron, who looks after the comfort of the students. Ample bathing and toilet conveniences are provided.

The government of Pioneer Hall is under the direction of a Board of Control, consisting of a representative of the Faculty and five young men chosen by the students who are in residence at the Hall.

Each suite of rooms is provided with bedstead, springs, mattress, table, chairs, book-rack, and commode.

The occupant or occupants of a suite must furnish the necessary towels, sheets, pillow-slips and blankets or comforts, and meet the expense of laundering the same.

The charge is $1.00 per week for each of two occupants of a suite, and $1.50 per week for a single occupant. Single rooms on the first floor at the same rate.

Each applicant upon engaging a room shall make a deposit of $5.00 to secure a room and also to meet any damages that may be assessed against him as occupant. In case the room is not taken, the deposit will be returned, provided due notice is given by August 15. A deposit of fifty cents shall be made by each student for his room key, which amount will be refunded when the key is returned.

Old or new students who desire to room in the Hall during the next college year should apply at an early date to Professor J. W. Ewing, Alma, Mich.

DAVIS FIELD.

By the generosity of Charles H. Davis, Esq., of Saginaw, the College has been put in possession of an athletic field worthy of the donor and the College. The grounds, which are a part of the campus and near the Gymnasium, have been perfectly graded and are of ample extent for all athletic purposes. They are enclosed by a high board fence, and equipped with a foot-ball gridiron, a base-ball dia-

mond, a quarter-mile cinder track, and a grand stand, capable of seating 400 people. In honor of the donor it has been christened "Davis Field."

TERMS AND VACATIONS.

Three terms comprise the college year.

A fall term of fourteen weeks, followed by the holiday vacation of two weeks.

A winter term of twelve weeks, followed by a vacation of one week.

A spring term of twelve weeks, followed by the summer vacation of twelve weeks.

For the purpose of instruction and examination, the year is divided into two semesters of eighteen weeks each.

For the dates of the opening and closing of terms and semesters, see Calendar at the beginning of this Catalogue.

RELIGICUS EXERCISES.

All students are required to attend weekly exercises for the study of the Bible, devotional exercises daily in the college chapel, and public religious worship on Sunday morning. Unless request is made to the contrary by parents or guardians, all students will attend worship at the Presbyterian church.

RELIGIOUS SOCIETIES.

Young Men's and Young Women's Christian Associations have been maintained during the entire history of the College. The object of these Associations is to promote growth in grace and Christian fellowship among their members, and aggressive Christian work, not only by and for students, but in the whole community; to train young men and women for active Christian service, and to lead them to devote their lives to Jesus Christ. To this end Bible classes, Sunday schools, and a volunteer band for mission work are maintained. Union prayer meetings are held on Wednesday evenings and separate prayer meetings on Sunday afternoons. These are well sustained and productive of great good.

The Associations issue an annual hand-book which contains a large amount of information especially valuable to new students. On

their arrival new students are met, warmly welcomed, made to feel at home, and assisted in every possible way by representatives of these Associations.

LITERARY SOCIETIES.

Five literary societies are in active operation; the *Zeta Sigma* and *Alpha Theta,* for the College students; the *Phi Phi Alpha* and *Philomathean,* for both College and Academy students; and the *Froebel Club,* for members of the Kindergarten Department. The *Zeta Sigma* and *Phi Phi Alpha* are conducted by the young men; the *Alpha Theta* and *Philomathean,* by the young women. The aim of these societies is the development of a correct literary taste and power of precise and ready expression.

These societies have been organized with the approval of the Faculty and are under its general care.

CLASSICAL CLUB.

A Classical Club has been maintained during the past four years under the immediate supervision of the professors of Greek and Latin. The aim of this club is the promotion of an interest in Archæology and Classical Literature. The club is open to members of College classes in Greek and Latin, and holds its meetings once in two weeks.

SCIENCE CLUB.

The Science Club was organized in 1900, for general scientific research and for the study in particular of the plants, animals and geology of the region in which the College is located. Regular monthly meetings are held during the college year.

THE GLEE CLUB.

The Glee Club is an organization which gives opportunity for practice in Glee singing and quartet work. The practice of ensemble singing and of public performance is of great benefit to the student.

AID FOR STUDENTS.

The sons and daughters of home and foreign missionaries are granted free tuition.

Students preparing for the ministry of the Presbyterian church

can usually receive aid from the Board of Education to the amount of $100 per year.

The interest of students of limited means are in charge of a committee of the Faculty on aid to students, which will carefully administer any funds that may be placed in its hands for this purpose.

A number of students can usually find employment in the village or in connection with the College. As a rule, no student who comes here prepared to do faithful work need fail of securing an education for lack of means.

PERMANENT SCHOLARSHIPS.

About nine years ago a beginning was made in a kind of investment not new to other colleges. By reference to another page of the Catalogue it will be found that the regular charge with us for the year is $32, which includes incidental expenses. If a deserving person is assisted to that amount, the privileges of the College are absolutely free to him. He will then have to meet only the regular expenses of living. To many, such an amount of help means the only open door to an education. By investing $500 at 6 per cent. this is secured. Both churches and individuals have therefore been urged to found such scholarships by the gift of $500. We already have *twenty* permanent scholarships and *eight* annual. We greatly need one hundred more and we hope that the generous people of Michigan will give us these at an early date.

The Saginaw First Church Scholarship, with an income of thirty-two dollars a year, was founded in 1894 by a gift of five hundred dollars from the First Presbyterian Church of Saginaw, W. S. The nomination to this scholarship is in the gift of the session of the church donating it.

The Marion Plum Scholarship of five hundred dollars was given in 1895 by J. H. Plum, Esq., of Indianapolis, Indiana. The annual income of thirty-two dollars is paid to a student in avowed need of beneficiary aid, of unexceptionable character and high rank in scholarship.

The Laurense Scholarship was established in 1895 by an endowment of five hundred dollars from Leonard Laurense, Esq., of De-

troit. The income of this scholarship is given to an indigent and worthy student elected by the session of the Memorial Presbyterian Church, Detroit.

The Mrs. Colvin Scholarship, which, when completed, will have a foundation of five hundred dollars, is the gift of C. A. Colvin, Esq., of South Saginaw. The annual income is awarded to a deserving and needy student who has shown evidence of proficiency in his studies.

The Thomas Merrill Scholarship, being the income of a fund of five hundred dollars, was founded in 1895 by Thomas Merrill, Esq., of Saginaw, and is given each year to a college student who has shown good standing in character and scholarship.

The Memorial Presbyterian Church Scholarship is the gift of Rev. David M. Cooper, D. D., of Detroit. It has an endowment of five hundred dollars, the annual income of which is awarded to a student elected by the Memorial Church, with the advice and consent of the President of the College.

The Martha P. Seeley Memorial Scholarship was established in 1895 by John M. Seeley, of Caro, Mich., in memory of his wife. The income of a fund of five hundred dollars is assigned to a College student each year on the ground of high character and approved scholarship.

The Harry G. Kelton Memorial Scholarship of five hundred dollars was given in 1897 by John M. and Mary E. Kelton, of West Bay City, Mich., in memory of their son, Harry. The yearly income of thirty-two dollars is awarded to some needy and worthy student of high character selected by the session of the Westminster Presbyterian Church, West Bay City.

The Charles D. Chatfield Memorial Scholarship, with a fund of five hundred dollars, yielding an annual income of thirty-two dollars, is the gift of Clarence B. Chatfield, Esq., of Bay City. The incumbent must be an earnest and diligent student of high character and good ability.

The Heartt Scholarships, five in number—one a memorial of Mrs. Heartt—having together an endowment of two thousand five

hundred dollars, were established by our generous friend, Mr. William H. Heartt, of Caro, Mich. The annual income of one hundred and sixty dollars is devoted each year to the support of five poor and meritorious students.

The Lucy Plum Mitchell Memorial Scholarship, established May 20, 1898, by Prof. James Mitchell, in memory of his wife, Lucy Plum Mitchell, consists of the income of a gift of five hundred dollars, assigned each year to a deserving student of small means, to be selected by the donor with the advice and consent of the President.

The Edith M. Davis Scholarship, founded in 1898, endowed with five hundred dollars, is the gift of Mrs. Charles Davis, of Saginaw. The nomination to this scholarship is in the gift of the First Presbyterian Church of Saginaw.

The Lull Scholarship was founded in 1898 by a gift of five hundred dollars from Albe A. Lull, Esq., of Pontiac, Mich. The annual income is given each year to some needy and worthy student.

The Lewis Penoyer Memorial Scholarship was founded in 1898 by Mrs. Emeline Penoyer, of Saginaw, in memory of her husband, Lewis Penoyer. The annual income from five hundred dollars is given each year to a student of high character and good scholarship, selected by Chauncey M. Penoyer, of Saginaw, with the approval of the President.

The J. Albert Trompour Scholarship was founded March 6, 1899, by David A. Trompour, of Bay City. The income of five hundred dollars is to be given each year to a worthy student of small means.

The D. B. Perry Scholarship, established October 2, 1899, by D. B. Perry, Esq., West Bay City, consists of the income of five hundred dollars and is to be given each year to a deserving student of small means who shall be selected by the donor with the consent of the President.

Besides the permanent scholarships, annual scholarships yielding the same income as the permanent have been taken by the following:

The Presbyterian Church.....Albion
" " " .....Caro
" " " .....Fairgrove

Mrs. Helen Gould.....Saginaw, W. S.
John W. S. Pierson, Esq.....Stanton
The Alumni Association.....

FREE SCHOLARSHIPS.

Seventy annual scholarships are divided between the College and the Academy as follows: thirty of them give entrance to the College from accredited high schools having twelve grades, and forty admit to the Academy from accredited schools having eight to twelve grades, and from district schools having eight grades.

Remember that a free scholarship gives all the literary advantages of the College "without money and without price." No bills, except for laboratory and athletic fees, will be presented by the College to the student who holds one of these scholarships.

They are offered to young people of Michigan (men and women alike) upon these conditions:

(1) The student must have an average standing of 90 from the school in which he studied the previous year, or

(2) He must have stood at the head of his class.

(3) He must be a person of good moral character.

PRIZES.

The New Jersey Alumni Association Medals. These are given to those members of the Freshman class, one a gentleman and one a lady, who prove themselves best in the matter and manner of an oration and essay.

The Megaw Prizes for Delivery. To promote effective utterance in public, the Rev. Samuel Megaw, of Marlette, offers a first prize of $10.00 and a second prize of $5.00 to those students graduating from the Academy who prove most effective in the delivery of their graduating productions.

The Alumni Prize for Debating. In order to stimulate intercollegiate debating, the Alumni Association offers an annual prize of $25.00 to the competing team.

COLLEGE ALUMNI ASSOCIATION.

President.....James Mitchell, '93
Vice-President.....Louis S. Brooke, '96
Rec. Secretary.....Martha Peters, '98

Cor. Secretary.....Bertha Trask, '91
Treasurer.....Kendall P. Brooks, '97

The Association was formed by the class of '91. It has had a vigorous growth, and has come to be regarded as an important and influential College organization. Its regular meeting is held on the Wednesday of Commencement week, which has been designated as "Alumni Day."

ALUMNAE ASSOCIATION OF THE KINDERGARTEN TRAINING DEPARTMENT.

President.....Mrs. Edith Rhodes, '98
Vice-President.....Miss Kate Carpenter, '93
Secretary.....Miss Edna Swigart, '01
Treasurer.....Miss Bertha Stevens, '92

EXPENSES.

WRIGHT HALL.

Board, $2.50 per week, for the year.....$00 00
Room Rent, one in a room, for the year.....$36 00 to 72 00

PIONEER HALL.

Room rent, one in a room, for the year..... 54 00
Room rent, two in a room, for the year, each..... 36 00

COLLEGE.

Semester bill $16 00 for the year 32 00

ACADEMY.

Semester bill $8.00, for the year.... ..... 16 00

COMMERCIAL SCHOOL.

Semester bill $10 00, for the year..... 20 00
Books and stationery, business course.....$10 00 to 12 00
Books and stationery, shorthand course, about..... 5 00
Typewriter fee, per semester 3 00

MUSIC SCHOOL.

Pianoforte, Voice, Stringed Instruments, each—
One 30-minute lesson a week, per semester..... 13 00
Two 30-minute lessons a week, per semester..... 23 00
Three 30-minute lessons a week, per semester 30 00
One 45-minute lesson a week, per semester..... 15 00
Harmony, Theory, per semester, each..... 5 00
Piano Forte ensemble, per semester 5 00
Use of piano, one hour a day, per semester..... 4 00
Use of piano, two hours a day, per semester..... 6 00
Use of piano, three hours a day, per semester 8 00

ART SCHOOL.

Oil and China Painting, Water Colors, and Crayon Drawing—
Twenty-four lessons, per semester 12 00
Twelve lessons, per semester 8 00
Charcoal and Perspective Drawing—
Twenty-four lessons, per semester 6 00
Twelve lessons, per semester 4 00

Single lessons, not in course	75
Use of rooms and models, three hours daily, per semester	3 00

Lessons are two and a half hours in length.

KINDERGARTEN TRAINING DEPARTMENT.

Semester bill, first year $25 00, for the year	50 00
Semester bill, second year $20 00, for the year	40 00
Books and material, for the year, about	9 00

OTHER CHARGES.

Laboratory fee, Chemistry, per semester	5 00
Laboratory fee, Biology or Physics, per semester	2 00
Diploma fee	5 00
Certificate fee	1 00
Athletic fee, per semester	1 00

REMARKS.

The sons and daughters of home and foreign missionaries are granted *free tuition.*

An athletic fee of $1.00 per semester is required of all students not taking Art or Music exclusively.

There are no incidental fees and no other charges are made by the College in addition to those stated above.

Art and Music students are allowed to take Academic work to the extent of five hours a week without extra charge.

Tuition bills in all departments must be paid by the semester in advance, and board at Wright Hall and room rent at either dormitory by the month in advance.

In the College the regular expenses for the year are $140 to $160; in the Academy, $120 to $140; in the Kindergarten Department, $150 to $160; in the Commercial School, $130 to $150. These amounts can be largely reduced through various forms of self-help.

GENERAL PRINCIPLES OF CONDUCT FOR ALL.

(1) Respect yourself.
(2) Have regard for the rights of others.
(3) Do nothing which you would be unwilling to have your parents know.

FORM OF BEQUEST.

ITEM—I hereby give and devise to Alma College, situated in Alma, Gratiot county, Michigan, the sum of..... dollars.

THE CATALOGUE OF STUDENTS.

THE COLLEGE.

CANDIDATE FOR MASTER'S DEGREE.

Rev. J. D. Macdonald, course, History.....Lapeer

GRADUATES IN 1902.

John Northrup Booth, A. B.....Ishpeming
Wesley Bradfield, A. B.....Ithaca, N. Y.
William Elton Brock, B. S.....Jose, N. M.
William James Ewing, A. B.....Chicago, Ill.
Egbert Erven Fell, A. B.....East Tawas
Agnes Hope, B. S.....Alma
Alice Rebecca Marsh, A. B.....Cadillac

UNDERGRADUATES.

Karl B. Allured, sp..... 11 .....Evart
Carl Elbridge Anderson, sp..... 10.....Ishpeming
Walter Redmond Ardis, lit..... 43 .....Evart
Lucius Saxton Bagley, sc.....122.....Alma
Kate Bair, cl..... 84.....Alma
Claude Lee Baker, lit..... 41.....Alma
William Ray Baker, sc.....105.....Alma
Raymond Bangs, lit..... 75.....Alma
Roy Beechler, sp..... 37.....Ithaca
John Yonker Brook, cl.....117.....Grandville
Will Brown, sp..... 53.....Ithaca
Levi Jonathan Butler, sc..... 41 .....Caro
William Hall Caple, sp..... 13.....Alma
Orson Charles Chapman, ph..... 53.....Holt
Claude D. Cooley, sc..... 22 .....Caro
William Skinner Cooper, sc..... 17.....Detroit
Lilian Crandell, ph..... 14.....Alma
Millie B. Curvell, cl..... 55.....Alma
George P. Davey, cl..... 9.....Plymouth
Otto H. Doane, sp..... 15.....Forest Hill
J. Wirt Dunning, cl..... 93.....Holt
Margaret Fitz Patrick, lit.....108.....Stanton
Pearl Fuller, sc.....120.....Alma
Harold Garfield Gaunt, cl..... 29.....Vassar
James Cameron Hartness, ph..... 25 .....Marquette
Carolyn L. Hastings, ph..... 53.....St. Louis
Bessie Pauline Hazelton, cl.....123.....Stanton
Edith Belle Henson, sc..... 19.....Alma
Arthur James Helmer, sc.....121.....Parma
Bertha Alice Higbee, ph..... 62 .....Marquette

Arla Gates Holiday, sc.	24	Alma
Essy Gertrude Hooper, sc.	115	Alma
Lillian Hunt, cl.	29	Caro
Frank Ray Hurst, sc.	63	Elk Rapids
Ralph Stephen Hyney, sp.		Albion
David A. Johnson, cl.	32	Tustin
Beryl Kefgen, ph.	31	Cass City
Stiles Compton Kennedy, sp.	11	St. Louis
James Norman King, cl.	29	Fairgrove
Jessie Gould Laing, cl.	16	Flint
Leola Lauderbach, ph.	38	Cass City
Charles Bertrand Leonard, ph.	13	Alma
Fannie Jane Lowther, lit.	10	Cadillac
James Lloyd McBride, cl.	74	McBain
Alice McCord, lit.	17	Benton Harbor
Sadie Messinger, sc.	112	Alma
Hannah A. Mey, lit.	23	Forest Hill
Charles S. Moore, sp.	24	Brant
Leora Martha Morton, sc.	74	Alma
Gladys Nelson, cl.	26	Ithaca
Myrtle Ione Nicholson, ph.	124	Manistique
Philip Phillips, sc.	32	Levin Grove, Iowa
Howard Potter, sc.	17	Ithaca
Clara Pringle, cl.	44	Alma
Caven S. Ronald, sc.	12	Alma
Hugh Norman Ronald, cl.	110	Alma
Rufus Ruenauver, sp.		Northport
Elizabeth Schmidt, ph.	92	St. Louis
Beah Helen Sherwood, sc.	4	Stanton
John Silvin Shiner, ph.	105	North Wheeler
Fred Judson Soule, cl.	25	Alma
Henry Herbert Soule, sc.	120	Flint
Laura Buxton Soule, lit.	113	Flint
Louise Townley Strange, sc.	82	Grand Ledge
Nellie Cornell Stringham, lit.	70	Carson City
Raymond G. Swigart, sc.	88	Alma
Margaret Kathleen Taylor, sc.	118	Almont
Alice Belle Thompson, ph.	124	Alma
Nellie May Thorburn, ph.	32	Holt
Theodore George Timby, sc.	114	Alma
Harry Leigh Wagner, ph.	5	Harbor Beach
Jerome Earl Webber, sp.	55	Alma
Wallace Fairbank Webber, sc.	110	Alma
Herbert Augustus Wilcox, sc.	86	Alma

Leslie A. Williams, sp..... 15.....Saginaw
Lula Dell Eudora Wilson, ph..... 22.....Alma
William Winton, Jr., ph..... 88.....Ithaca
Alfred Lawrence Woodlock, sp.....Clare

ACADEMY.

Edna Abbott, I.....Alma
Andrew S. Adams, sp.....Caseville
Paul J. Allured, IV.....Evart
Charles F. Angell, I.....Adrian
Esther M. Bruske, sp.....Alma
Mary A. Butler, I.....Alma
Thomas W. Burnett, sp.....Alma
Carlyle R. Carr, I.....Cassopolis
Edith L. Cook, III.....Alma
Helen B. Cook, III.....Alma
Maynard A. Cook, II.....Alma
Grace G. Cooper, III.....Carp
M. S. Leona Covey, I.....Hudsonville
Clair Vere Cratzenburg, II.....Ithaca
Jennie Crozier, I.....Alma
Juanita Cuvrell, II.....Alma
Marguerite Du Bois, IV.....St. Louis
H. Benton Dunning, IV.....Holt
George H. Ellis, IV.....Yale
Ernest Ewing, II.....Alma
Winnie A. Griffin, sp.....Alma
Leta A. Hawes, IV.....Elm Hall
Susie L. Hawes, IV.....Elm Hall
Roden C. Hooper, I.....Alma
Herbert G. Iles, II.....Alma
Theodore R. Jennings, IV.....Pinconning
Enrique R. Lafuente, I.....Villagarcia, Spain
Ammi W. Lancashire, I.....Alma
Ralph E. Lyle, I.....Fife Lake
John H. Marchmont, I.....Alma
Mark L. Marshall, II.....Marengo, Ill.
Ellen L. Moiles, III.....Alma
Arthur R. Moon, II.....Detroit
Julia Morton, II.....Alma
Margaret Nevills, I.....Vestaburg
Lou F. Olp, I.....Alma

Lucy Powers, sp.....Perrysburg, O.
Frenn L. Preston, sp.....Waldron
Beulah Reardon, IV.....Midland
James N. Redpath, I.....Petoskey
Willan J. Robinson, sp.....Vestaburg
W. Ernest Rohlf, IV.....Fairgrove
Leota Rusling, I.....Bay City
Will S. Russell, I.....Flint
Leroy E Shankland, sp.....Sand Lake
Ivah A. Shepard, I.....Maple Ridge
Florence E. Smith, I.....Roscommon
Otis Sprague, II.....Alma
William R. Sweet, II.....Vassar
Lena Terry, sp.....Breckinsidge
Mayson W. Torbet, III.....Manistique
Jessie B. Tucker, I.....Alma
Robert Von Thurn, I.....St. Louis
Isabel E. Wallace, II.....Bay Port
Carl H. Whitney, IV.....Merrill
Edwin P. Young, sp.....Kalamazoo
George W. Young, sp.....Alma

STUDENTS TAKING ACADEMY STUDIES.

Levi J. Butler.....Caro
William Caple.....Alma
Claude D. Cooley.....Detroit
William S. Cooper.....Detroit
George P. Davey.....Plymouth
Harold G. Gaunt.....Vassar
Edith B. Henson.....Alma
Arla Holiday.....Alma
Ralph S Hyney.....Albion
Lillian Hunt.....Caro
David A. Johnson.....Tustin
Beryl Kefgen.....Cass City
J. Norman King.....Fair Grove
Jessie Laing.....Flint
Jennie Lowther.....Cadillac
Charles Moore.....Brant
Gladys Nelson.....Ithaca
Philip Phillips.....Levin Grove, Iowa
Howard Potter.....Ithaca
Clara Pringle.....Alma
Rufus Ruenauver.....Northport

Biah Sherwood. . . . . Stanton
Fred Soule.. . . . . Alma
Harry L. Wagner. . . . . Harbor Beach
Edna B. Watosn. . . . . Breckenridge
Leslie Williams. . . . . Saginaw

THE KINDERGARTEN TRAINING DEPARTMENT.

FIRST YEAR.

Alice Wheeler Beardsley. . . . . Chicago
Agnes McElroy Burnett . . . . . Alma
Mary Evans . . . . . Columbia, S. C.
Sara Isabel Fraser . . . . . Ocala, Fla.
Hazel Garland . . . . . Howell
Marie E. McClure . . . . . St. Louis
Amy Margaret Phillips . . . . . Milford
Georgia R. Ross . . . . . Manistique
Oreno G. Schenck . . . . . Cass City
Anna Fay Thompson . . . . . Midland
Kate G. Thompson . . . . . Alma
Morgia Belle Ward . . . . . Birmingham
Edna B. Watson . . . . . Breckenridge

SECOND YEAR.

Ailsie Bradfield . . . . . Decatur
Grace Breese . . . . . Mt. Gilead, O.
Anna M. Evans . . . . . Sanilac Centre
Lizzie Ferris . . . . . Alma
Christmas Hough . . . . . St. Ignace
B. Winnifred Kelley. . . . . Harbor Beach
Mary Margaret McClelland . . . . . Calumet
Ethel Meston . . . . . Saginaw
Jessie Mae Parker . . . . . Alma
Harriet Soule . . . . . Flint
Ethel Stewart . . . . . Decatur

THE COMMERCIAL SCHOOL.

Carlyle R. Carr . . . . . Cassopolis
Lloyd L. Clark . . . . . Alma
Francis Cobb . . . . . Elsie
Albert J. Davis . . . . . Pigeon
Walter P. Davis . . . . . Fairgrove
Glenn S. Davis . . . . . Evart

Randall R. Dutcher ..... Fife Lake
George F. Eckfeld ..... Caro
Dimas M. Florenzo ..... Ponce, Porto Rico
Leo I. Gee ..... Alma
Ethel Hance ..... Alma
Louis A. Hewitt ..... Marlette
Rainie E. Howard ..... Alma
Herbert Iles ..... Alma
Laura M. Illy ..... Milwaukee, Wis.
Ralph McCollum ..... Millersburg
J. Donald McGill ..... Marlette
Roy McLaughlin ..... Yale
Anna Montigel ..... Alma
Gladys Munger ..... Reese
Helen Palmer ..... Alma
Elmore Pettyjohn ..... Alma
Earl S. Stanard ..... Alma
William M. Steenman ..... Howard City
Lois Storey ..... Alma
Lynn M. Wheeler ..... Pitcher, N. Y.
Edward Wilson ..... Alma
Frank H. Wise ..... Alma

THE SCHOOL OF MUSIC.

VOICE.

Paul J. Allured ..... Evart
Lucius S. Bagley ..... Alma
Esther M. Bruske ..... Alma
Thomas Burnett ..... Alma
Orson C. Chapman ..... Holt
Pearl A. Copeman ..... Lapeer
George Ellis ..... Yale
Mary F. DeLong ..... Merrill
Alberta Dunham ..... Alma
Lena Dyer ..... Ferris
Pearl Fuller ..... Alma
Gertrude Gruber ..... Shepherd
Bertha A. Higbee ..... Marquette
Essy G. Hooper ..... Alma
Maybelle M. Howard ..... Alma
Mrs. C M. Jones ..... Edmore

Winnifred Kelley ..... Harbor Beach
Mrs. W. J. Kingsbury ..... Greenville
Mildred H. Lehner ..... Kalkaska
Fannie J. Lowther ..... Cadillac
Margaret McClelland ..... Calumet
Marie E. McClure ..... St. Louis.
James L. McBride ..... McBain
J. Donald McGill ..... Marlette
Leon C. McMannis ..... Alma
Sara B. Marsh ..... Alma
Rose Messinger ..... Alma
Amy Phillips ..... Milford
Ivah Pulfrey ..... Alma
H. Norman Ronald ..... Alma
Rufus Ruenauver ..... Northport
Bessie Sergeant ..... Kalamazoo
Henry H. Soule ..... Flint
John J. Steep ..... Mancelona
T. George Timby ..... Alma
Nellie Wallace ..... Bay Port
Edna Watson ..... Breckenridge
Mrs. Win Wilson ..... Mt. Pleasant
Helen M. Woods ..... Ludington
J. Earl Webber ..... Alma
L. Atta Wilson ..... Alma

PIANO.

Marcella Adams ..... Alma
Hazel Bahlke ..... Alma
Ella Bitner ..... Alma
Hubert Brainerd ..... Alma
Mabel Brainerd ..... Alma
Nora Brader ..... Ithaca
Mary Carter ..... Alma
Glenn S. Davis ..... Evart
Mary F. De Long ..... Merrill
Alberta Dunham ..... Alma
Lena Dyer ..... Ferris
Bertha M. Eyer ..... Ithaca
Lizzie Ferris ..... Alma
Sara I. Fraser ..... Ocala, Fla.
Gertrude Gruber ..... Shepherd
Aurelia Hammer ..... Alma

Leta A. Hawes ..... Elm Hall
Maude Hooper ..... Alma
Christmas Hough ..... St. Ignace
Maybelle M. Howard ..... Alma
Mrs C. M. Jones ..... Edmore
Adah Kleckner ..... North Star
Mildred H. Lehner ..... Kalkaska
Charles B. Leonard ..... Alma
Reginald McClinton ..... Alma
J. Donald McGill ..... Marlette
Ada L. Means ..... Kentland, Ind.
Leontine Messinger ..... Alma
Sadie Messinger ..... Alma
Hattie Mills ..... Alma
Myrtle H. Mosher ..... Alma
Bessie E. Olin ..... Kalamazoo
Bernice Pollasky ..... Alma
Jennie M. Quick ..... Alma
Bessie Sergeant ..... Kalamazoo
Lester W Sharp ..... Alma
Mary E. Sharp ..... Alma
Della Sigsby ..... Alma
Minnie Siefert ..... Ithaca
Marion Snover ..... Mayville
Louise T. Strange ..... Grand Ledge
Jessie Tucker ..... Alma
Edna M. Swigart ..... Alma
Maggie Walker ..... Marlette
Nellie Wallace ..... Bay Port
Morgia B. Ward ..... Birmingham
Edna Watson ..... Breckenridge
Marie E. Watson ..... Kalkaska
Beulah Winton ..... Ithaca
Mrs. F. Wise ..... Alma

VIOLIN.

William S. Cooper ..... Detroit
William A. Ewing ..... Alma
Albert Davis ..... Alma
Christmas Hough ..... St. Ignace
Maybelle M. Howard ..... Alma
Herbert G Iles ..... Alma
John H. Marchmont ..... Alma

George Nooney ..... Ithaca
Lester W. Sharp ..... Alma
Linnie Udelle ..... Alma
Helen M. Woods ..... Ludington

MANDOLIN.

Agnes Burnett ..... Alma
William H. Caple ..... Alma
Carlyle R. Carr ..... Cassopolis
Leslie Williams ..... Saginaw

ELOCUTION AND ORATORY.

Karl B. Allured ..... Evart
Claude D. Cooley ..... Caro
Harold G. Gaunt ..... Vassar
Edith B. Henson ..... Alma
David A. Johnson ..... Tustin
James N. King ..... Fairgrove
Mrs. W. J. Kingsbury ..... Greenville
Charles S. Moore ..... Brant
Amy M. Phillips ..... Milford

THE SCHOOL OF ART.

Paul J. Allured ..... Evart
Anna Barber ..... Ithaca
Ethel Beason ..... Alma
Roy Beechler ..... Ithaca
Esther M. Bruske ..... Alma
Pearl A. Copeman ..... Lapeer
Lena Dyer ..... Ferris
Anna M. Evans ..... Sanilac Centre
Mary Evans ..... Columbia, S. C.
Susie Hawes ..... Elm Hall
Eleanor Hill ..... Alma
Maybelle M. Howard ..... Alma
Mrs. C. M. Jones ..... Edmore
Mrs. William Kelly ..... Alma
Mrs. T. W. Marsh ..... Alma
Ada L. Means ..... Kentland, Ind.
Myrtle Nicholson ..... Manistique
Lucy Powers ..... Perrysburg, O.
Jennie Quick ..... Alma

Georgia R. Ross.....Manistique
Leroy E. Shankland .....Sand Lake
Margaret K. Taylor .....Almont
Nellie M. Thorburn..... Holt
Eleanor Wallace .....Port Austin
Isabel E. Wallace .....Bay Port
Nellie Wallace .....Bay Port
Mrs. George Waterman .....Mt. Pleasant
Marie E. Watson .....Kalkaska

THE CLASS AT ITHACA.

June Ashley.
Maud Brown.
Mrs. Amos I. Ewen.
Edna Jones.
Ida Kinkerter.
Mary W. Plum.
Kittie Richards.
Mrs. Geo. P. Stone.
Margaret Sturgis.
Charlotte Weller.

SUMMARY.

The College	79
The Academy	57
The Department for Training Kindergartners	24
The Commercial School	28
The School of Music	106
The School of Art	38
Elocution and Oratory	9
	341
Counted more than once	86
Total from Sept. 17, 1902 to March 31, 1903	255
Total from March 31, 1902 to March 31, 1903	335

CONTRIBUTIONS.

Contributions to the General Expenses of the College—April 15, 1902, to October 16, 1902:

CHURCHES.

Adrian	$ 5 00
Bay City, First	65 84
Brooklyn	8 40
Caro	35 00
Cass City	20 00
Detroit, Trumbull Ave	7 01
Detroit, Bethany	12 44
East Tawas	1 00
Grand Rapids, Third	2 00
Hillsdale	5 00
Holt	4 50
Jackson	5 00
Lansing, First	6 00
Menominee	15 00
Midland	6 00
Palmyra	5 00
Plymouth	5 00

Contributions to the New Endowment Fund for The Chair of English Bible and Theism—October 17, 1902, to April 15, 1903:

CHURCHES.

Akron	14 30
Alma	55 00
Bay City, Westminster	83 78
Blissfield	2 00
Boyne City	2 00
Boyne Falls	1 00
Brighton	2 25
Brooklyn	9 40
Cadillac	20 00
Coleman	1 00
Concord	2 00
Conway	1 00
Detroit, Central	23 15
Detroit, Church of the Covenant	10 00
Detroit, First	43 82
Detroit, Memorial	3 85
Detroit, St. Andrews	2 00
Elk Rapids	1 35
Evart	12 00
Fairgrove	8 00
Fenton	10 00
Flint	49 66
Grand Rapids, First	10 00
Hillsdale	10 00
Holt	2 82
Ida	2 55
Independence	2 00
Iron Mountain	15 00
Lake City	1 00
La Motte	1 50

Lansing, Franklin Ave	16 00
Lapeer	18 00
Lapeer Ladies' Aid Society	13 10
Manistique	10 00
Marlette, First	4 00
Marquette, First Presbyterian Sunday School	5 78
Marquette, First Presbyterian Sunday School Class, No. 24	3 00
Marshall	21 68
Mason	7 00
Midland	19 00
Milford	10 00
Monroe	2 33
Montague	2 25
Mt. Clemens	4 00
Mundy	2 00
Northville	5 00
Petersburg	2 00
Pickford	7 00
Quincy	4 50
Richland	4 30
Saginaw, First	42 00
Saginaw, Grace	2 75
Saginaw, Immanuel	3 00
Saginaw, Washington Ave.	1 00
St. Ignace	2 60
Tawas City	2 00
Three Rivers	5 00
Traverse City	5 00
Tustin	1 00
Wyandotte	25 00
Yale	12 00
Ypsilanti	12 50
Yuba	2 65

INDIVIDUALS.

Mrs. Jean Wells Smith	50 00
Miss Helen M. Wells	50 00
Mrs. Hattie F. Stone	25 00
Miss Lizabeth B. Case	5 00
Rev. F. M. Coddington	5 00

GIFTS FOR SPECIAL PURPOSES.

April 16, 1902-April 15, 1903.

Mr. A. W. Wright—Inside finishing Wright Hall, $179.71; Grading, $557.60; Cement Walks, $465.10; Well, $405.45; Ice House, $495.82; for Library Books, $220; Vocal Music, $225; English, $100; Pianos, $26.89	$2,675 57
Mr. C. H. Davis, Davis Field	1,489 23
Mrs. Jean Wells Smith, Vocal Music	225 00
Mrs. Jennie Y. Hood, Cement Walk and Museum Cases	130 58
Mr. John W. S. Pierson, Horse Lawn Mower and Wright Hall Window Screens	129 84
Mrs. Job Pierson, Window Screens Wright Hall	100 00
Alma Electric Light and Power Co., Light Installation	25 00
Rev. Samuel Megaw, Prizes	15 00
Hon. Alfred Lane, Museum Cases	10 11
Rev. Wm. Bryant, Gen. Expense	5 00
Mr. W. L. Paxson, Wright Hall Room Numbers	4 95

Mr. John M. Kelton, Scholarship	30 00
Mr. D. A. Trumpour, Scholarship	30 00
Mrs. Edith M. Davis, Scholarship	30 00
Mr. C. B. Chatfield, Scholarship	15 00
Mr. F. R. Shaver, Scholarship	10 00
Mr. and Mrs. E. T. Carrington, Scholarship	60 00
Mr. John W. S. Pierson, Scholarship	30 00
Mr. Leonard Laurense, Scholarship	30 00
Rev. D. M. Cooper, Scholarship	30 00
Evart Pres. Church, Wright Hall Furnishing	20 00
Fairgrove Pres. Church, Scholarship	14 00
Denmark Pres. Church, Scholarship	2 00

LIST OF ALUMNI.

CLASS OF 1891.

Bernice Hunting ..... Tripoli, Syria
Alfred Field Pratt ..... Campbell, N. Y.
Bertha May Trask ..... Saginaw, W. S.

CLASS OF 1892.

Mrs. Henry P. Streng (nee Mary Cook),.....
.....6029 Champlain Ave., Chicago, Ill.
Francis Wayland Eply ..... Whatcom, Washington
Katherine Slater ..... Dorset, O.
Ralph C. Ely ..... New York City

CLASS OF 1893.

Chas. E. Blanchard ..... Big Rapids
Mrs. Fred Sherman (nee Bessie McLean)..... Brooklyn, N. Y.
*H. A. Ransom ..... Muir
Jas. E. Mitchell ..... Alma
*Mrs. Jas. E. Mitchell (nee Plum)..... Alma
Mrs. A. F. Waldo (nee Josephine Hodges)..... Lebanon, Pa.
Matie C. Hill ..... Flint
Mary O. Hunting ..... Ann Arbor

CLASS OF 1894.

Esther Hewitt Marsh ..... Grand Rapids.
Frank Marsh ..... Grand Rapids

CLASS OF 1895.

Arthur L. Toner ..... Three Rivers
Ralph Flewelling ..... Newton Center, Mass.
Ambrose B. Wight ..... Chicago, Ill.

* Deceased.

CLASS OF 1896.

Louis S. Brooke ..... Howell
Fred Fullerton ..... Mason
Richard H. Sidebotham ..... Taiku, Corea
Elizabeth Jones ..... Bismark, N. D.
Winifred E. Heston ..... Cincinnati, O.
Mrs. John McKee (nee Clara Booth) ..... East Jordan
Anna Girmus ..... Anna, Ill.
Jos. T. Northon ..... Clare
Wm. A. Howe ..... Alma
Edward Clark Marsh ..... New York City

CLASS OF 1897.

Mrs. Kendall Brooks (nee Gratia G. Dunning) ..... Marquette
Letta E. Burns ..... Jamaica, L. I.
A. John VanPage ..... Marengo, Ill.
Jacob Klasse ..... Princeton Seminary, Princeton, N. J.
Kendall P. Brooks ..... Marquette

CLASS OF 1898.

Mrs. Birdsey S. Bates (nee Frances Dustin Adams) .... Hebron, Ill.
Birdsey Scott Bates ..... Hebron, Ill.
Paul Hale Bruske ..... Detroit
James Irving Crane ..... Troygrove, Ill.
Sherman Landon Divine ..... Chicago, Ill.
Elmer M. Eckard, M. D. ..... Chicago, Ill.
Maurice Grigsby ..... Mt. Pleasant
William Henry Long ..... Elk Rapids
Franklin Warren McCabe ..... Lansing
Mertha Peters ..... Wyandotte
Charles Ernest Scott ..... Grayling
John Bartlett Stevens ..... West Superior, Wis.

CLASS OF 1899.

Mrs. James Clark (nee Maud Hartness Bishop) .... Harbor Springs
*Frances Thorne Booth ..... Alma
Weston T. Johnson ..... Tokio, Japan
Harry Erastus Porter ..... Parkersburg, W. Va.

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* Deceased.

CLASS OF 1900.

Jacob C. Foote ..... Wichita, Kansas
George A. Hill ..... McCormick Seminary, Chicago, Ill.
David Magaw ..... Gooding
Mary Wheeler Plum ..... Ithaca
George Basil Randels ..... Bellevue, Neb.

CLASS OF 1901.

Henry P. Bush, Jr. ..... Caro
Carolyn A. Butler ..... L'Anse
Winifred F. Carl ..... Wyandotte
Donald S. Carmichael ..... Princeton Seminary, Princeton, N. J.
Amos R. Eastman ..... Sorgoson, Luzon, P. I.
Daisy L. Hard ..... Colville, Wash.
Harry E. Reed ..... Sorgoson, Luzon, P. I.
Watson B. Robinson ..... Harvard University, Cambridge, Mass.
Charles W. Sidebotham ..... Princeton Seminary, Princeton, N. J.
Winifred G. Trapp ..... Alma

CLASS OF 1902.

Wesley Bradfield ..... Ithaca, N. Y.
William E. Brock ..... Jose, New Mexico
John N. Booth ..... Ishpeming
William S. Ewing ..... McCormick Seminary, Chicago, Ill.
Egbert E. Fell ..... East Tawas
Agnes Hope ..... Alma
Alice Rebecca Marsh ..... Cadillac

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